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<b>SITE NAME</b>	SOUTH CENTRAL TERMINAL
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<b>DOCUMENT VARIATION</b>	<input type="checkbox"/> COLOR <input checked="" type="checkbox"/> OR <input checked="" type="checkbox"/> RESOLUTION
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<b>PHASE (AR DOCUMENTS ONLY)</b>	<input type="checkbox"/> Remedial <input checked="" type="checkbox"/> Removal <input type="checkbox"/> Deletion Docket _____ <input checked="" type="checkbox"/> Original <input checked="" type="checkbox"/> Update # <u>1</u> Volume <u>1</u> of <u>1</u>
<b>COMMENT(S)</b>	
CHARTS	



152634  
S6-05-1

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**ENVIRONMENTAL RESPONSE TEAM CENTER**  
Edison, New Jersey 08837

August 5, 1999

**MEMORANDUM**

SUBJECT: South Central Terminal, Pana, Illinois

FROM: André P. Zownir, Environmental Engineer

TO: Kevin Turner, On-Scene Coordinator  
EPA Region V

*André P. Zownir*

I am enclosing two copies of the REAC trip report for the investigation performed at the South Central Terminal Site in Pana, Illinois, during July 12-17, 1999. It is straightforward, listing actions taken, samples collected, and analyses for Hazardous Characterization (Haz-Cat). I shall provide a summary of the three areas evaluated during the investigation: tanks, asbestos, and process area. The asphalt plant area is part of tanks.

**Tanks**

Fifty-nine (59) tanks were located and numbered. For tanks already numbered under previous investigations, we followed the same numbering system. For unnumbered tanks, we used the 300 series for the refinery area and the 400 series for the asphalt area. A worksheet was filled out for each tank and listed the numbers, dimensions, volume of liquids (if any), layering of liquids (if any), and a descriptive of the contents along with samples taken for Haz-Cat analysis.

Three (3) of the 59 tanks were not accessed and not sampled (#306, #308, and #37). Based on location and size, the contents of #306 are assumed to be similar to #305, and #308 similar, likewise, to #307. Based on anecdotal information and previous sampling by ILEPA, #37 contents are similar to #117.

The base map prepared by the GPS group shows 65 tanks, excluding the process area. Tanks numbered 2, 4, 7, 9, 11, 12, 14 and 20 do not exist and should either be removed or cross-hatched. Tank #113 does exist at the depicted location, and the cross-hatching should be removed. The horizontal tank depicted as #104 actually is #112 and the adjacent vertical tank depicted with a "?" actually is #104. The horizontal tank described as "gas tank" is #304. Tank #303 is not on the base map and should be shown in the northwest corner within the boiler house.

The Haz-Cat results are presented in Table 1 of the REAC trip report. Based on those results and visual inspection of the samples, I selected the type of analysis (PCB, TOX, TPH, BTU, VOC, NH<sub>3</sub>, metals, and sulfides) to be performed on the individual tank samples. These results, as preliminaries (non-validated via REAC QA/QC), are expected by August 11, 1999. The results will be tabulated and sent under separate cover. Also, as much sample as possible per tank has been saved and archived in the REAC laboratory for future analysis and/or bulking scheme.

#### **Asbestos**

Initially, I intended to determine the presence and estimate of the amount of asbestos containing materials at the site. After assessing the potential asbestos containing materials at the site, I determined that it was prudent to take samples from many areas and do bulk estimates after receiving the results, which also are due by August 11, 1999. This will allow us to determine if there are discrete areas which can be classified as either asbestos or non-asbestos materials. It will provide for a more cost-effective approach during the cleanup phase of this project.

There were twenty-one (21) samples collected for asbestos analysis. Appendix B of the REAC preliminary report contains the worksheets prepared during sample collection. The locations are described in the worksheets and have been marked, in red, on the original base map of the site, which I am returning to you with this package. The locations also were spray painted, in red, at the points of collection.

#### **Process Area**

The Process Area, described as the Refinery Area on the GPS base map, received a cursory inspection. No samples were taken from the vessels within the area. Any piping which contained liquids were spray painted white, and the vessels were marked with a grease pen with a descriptive of the contents, or MT, signifying that the vessel was empty. Paul Atkociunas of EPA Region V START took notes while we assessed this area.

As an aside, transformer oils were sampled from three locations marked with a red "T" on the original base map. None of the discrete Haz-Cat PCB analyses showed any PCBs. Oils from each location were composited and sent for confirmatory analyses. Also, tank #305 contents exhibited an extremely high reading on the DRI, but when opened and exposed to the ambient environment, the readings subsided. The contents appear to be desorbing.

I will follow up this memo when the preliminary results are in from the lab. Call me if you have any questions at (732) 321-6744. If I am away from the office, call me at (609) 065-0199, which is my cell phone.

Take care.

Enclosure

**LOCKHEED MARTIN**

DATE: 5 August 1999  
TO: Andre Zownir, U.S. EPA/ERTC Work Assignment Manager  
FROM: Michael Metz, REAC Task Leader *M. Metz*  
SUBJECT: South Central Terminal - Pana, Illinois  
Work Assignment R1A 00072 - PRELIMINARY TRIP REPORT

#### BACKGROUND

The United States Environmental Protection Agency (U.S. EPA)/Region V requested the assistance of the United States Environmental Protection Agency/Environmental Response Team Center (U.S. EPA/ERTC) at the abandoned South Central Terminal Site in Pana, Illinois to assess the contents of various tanks, vats, vessels, drums, and process lines. The facility was shut down in the early 1980s. There are 59 tanks with capacities ranging from 1,128 to 3,000,000 gallons, along with transformers, a process area and an asphalt plant. The U.S. EPA/Region V is performing an extent of contamination survey at this site and wants to differentiate between oil wastes and other hazardous wastes.

The purpose of the work assignment was for the Response Engineering and Analytical Contract (REAC) to provide technical assistance to the U.S. EPA/ERTC for on-site sampling of tanks, drums, transformers, and other vessels at the South Central Terminal site in Pana, Illinois. In addition, 21 bulk asbestos samples were taken from several on-site locations. Hazardous Categorization (HazCat) was performed on all samples collected. Samples are currently being analyzed by REAC laboratories and a subcontracted laboratory for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), total organic halogen (TOX), TAL metals, polychlorinated biphenols (PCBs), british thermal units (BTU), sulfides, ammonia, and asbestos content. Data generated from this assignment will be reviewed and validated using REAC/ERTC data validation guidelines and procedures.

#### OBSERVATIONS AND ACTIVITIES

The objectives of the tank sampling were as follows: 1) locate each tank on-site, 2) obtain access to each tank, 3)clarify the tank number label, 4) perform air monitoring using a lower explosive limit (LEL) meter, and a photo ionization detector, and record the results, 5)determine level of material within tank, 6)determine best way to obtain sample from tank, 7)determine if layers of different material exist within the tank and determine layer amounts, 8)obtain sample, enough for HazCat, laboratory analysis, and archiving, 9) ship samples back to REAC laboratory for HazCat, laboratory analysis, and archiving. Individual tank and transformer information was documented on tank sampling worksheets. Appendix A contains the tank sampling worksheets along with each individual HazCat analysis flowchart Appendix B contains the bulk asbestos sampling work sheets.

Tank material volumes and HazCat results are listed in Table 1. Table 2 indicates the analytical process chosen for the tank samples as determined by the U.S. EPA/ERTC work assignment manager based on the HazCat results. Figure 1 shows the locations of the tanks at the South Central Terminal site.

On 12 July 1999, REAC personnel arrived at the abandoned South Central Terminal in Pana, Illinois. Upon arrival, the REAC team met with the U.S. EPA/ERTC work assignment manager, the U.S. EPA/Region V on-scene coordinator (OSC), and members of the U.S. EPA/Region V START Team. A health and safety meeting was held to discuss the site's safety issues prior to commencement of the work.

Using various tank sampling techniques, REAC obtained samples from four tanks and a fifth tank was determined to be empty. Small, horizontal tanks 300 and 301 are each partially full. Small tank 302 is nearly full with two layers, the top layer a thick oil, and the bottom layer a clear liquid. Tank 303 is empty. Tank 304 is partially full of a clear, volatile liquid. Sampling activities were completed for the day.

On 13 July 1999, 17 tanks were assessed in the following order over the course of the day. Tank 101 is empty. Two inches of clear liquid are in Tank 100. Tank 102 has one foot of a musty, watery material. Tank 108 has an open man-way , six inches of an oily liquid, and four inches of sediment. Tank 109 has an open man-way, 18 inches of an oily liquid, and six inches of sediment. Tank 110 is empty. Tank 103 has three feet of a musty, watery material. Horizontal tank 112 and tank 104 are empty. Tank 111 has two inches of an oily black liquid. Tank 113 has three inches of an oily black putrid liquid and three inches of sludge. Tanks 40, 41, 42,43 have from one to three inches of a thick black oil. Tank 6 has nine inches of an oily black liquid. Tank 13 has two feet of a clear liquid. Sampling was completed for the day.

Also on 13 July 1999, 13 asbestos bulk samples were taken from various locations on the site. Samples were taken from suspect materials indicated by the U.S. EPA/ERTC work assignment manager. Locations of the bulk samples are indicated in the sampling worksheets in Appendix B.

On 14 July 1999, 16 tanks were assessed in the following order over the course of the day. Tank 309 has one inch of a thick black oil. Tank 32 was leaking a reddish liquid from the man-way. It has 15 feet of material within the tank, or approximately 140,000 gallons . There is a top layer of black oil determined to be approximately three feet thick. Tank 34 has one inch of an oily black liquid. Tank 31 has one inch of a brownish liquid. Tank 30 has one inch of a brownish liquid. Tanks 311,312, 313, and 314 are all part of the API separator area. Tank 311 has nine feet of an oily black liquid. Tank 312 appears to be leaking from the bottom and has six inches of an oily black liquid. Tank 313 has six feet of material made up of approximately one foot of sludge, five feet of a clear liquid and two inches of a thick black oil. Tank 314 has six inches of a yellowish liquid. Tank 90, although only having one foot of an oily, black liquid which measured below the man-way, leaked when the man-way was loosened. The sample was obtained from the top. Tank 400 is empty. The horizontal tanks 401,402, 403 and 404 appeared to be part of the asphalt plant and were each approximately half full of a thick black oil. Tank 403 contained a thicker tar-like material. Tank 310 has two inches of material, and appeared to have leaked much of its contents on the ground surrounding the tank. The sample of thick black material was taken from the spilled material. Samples taken to this point were shipped back to REAC laboratories. Sampling was completed for the day.

On 15 July 1999, 15 tanks and 6 transformers were assessed in the following order over the course of the day. There are ten vertical tanks in the area known as the asphalt plant, Tanks 405 to 414. Tank 405 is empty. Tanks 406, 408, 410, 412, 413, and 414 each have three feet or less of a black tar-like liquid. Tank 407 has nine feet of black tar-like liquid. Tank 411 has 16 feet of black tar-like liquid. Tank 409 has 17 feet of thick tar. Tank 115 contains one and a half feet of a black liquid. Tank 119 contains 10 feet of a black liquid which calculates to approximately 265,000 gallons. Tank 118 contains one foot of a black liquid. Tank 117 is surrounded by a black liquid which appears to have leaked from the tank. The tank itself contains about six inches of the same black liquid. Tank 19 is surrounded by the same black liquid but the tank itself is empty. Tank 37 is also surrounded by the same black liquid but access to the tank itself was not possible due to liquid's depth. Transformers were sampled in two areas. Three transformers are located within Building K, the storage building. A composite of the three transformers was taken and labeled T1. T2 is a composite sample of the three transformers located between Tank 90 and the Machine Shop. Sampling was completed for the day.

On 16 July 1999, 5 tanks, 1 transformer, and the entire processing area were assessed in the following order over the course of the day. Tank 116 contains 25 feet of a black liquid or approximately 662,000 gallons. Tanks 305 and 306 appear to be twin tanks. Tank 305 contained 16 feet or approximately 1867 gallons of a solid white granular material. Tank 306 was not sampled but contained 15 feet of a solid material. Tank 307, containing approximately 11 feet or 1283 gallons of a brownish liquid, was sampled using the valve on the sight glass. It was determined that Tank 308 contained the same material though an accurate volume was not determined. A composite sample, T3, was obtained from a pair of transformers and a pair of reactors located within the processing area.

All of the lines within the processing area were checked to see if there is material contained within. Several of the processing lines still did contain an oily black liquid. These lines were marked using white spray paint. It was not determined the amount of material still contained within the processing area. Also, the vessels within the process area were marked using a grease pen indicating the contents.

Also on 16 July 1999, 8 asbestos bulk samples were taken from various locations on the site. Samples were taken from suspect materials indicated by the U.S. EPA/ERTC work assignment manager. Locations of the bulk samples are indicated on the sampling worksheets in Appendix B.

#### FUTURE ACTIVITIES

Preliminary analytical results are expected by 11 August 1999. Preliminary analytical results will be issued to the U.S. EPA work assignment manager upon receipt. A final trip report will be generated when the final analytical results are released. No further site activity is expected.

cc: Central File WA 00072

# Tables

**TABLE 1**  
**Estimated Tank Material Volumes &**  
**Hazardous Categorization Results**  
**South Central Terminal**  
**R1A 00072**  
**Pana, Illinois**  
**August 1999**

Tank Number	Tank Material Height (liq-ft)	Estimated Material Volume (gallons)	Description of Material	HazCat Results
6	0.75	1772	Oily Black Liquid	Possible PCB
13	2	2800	Flammable Clear Liquid	Possible PCB
19	-	EMPTY	EMPTY	-
30	0.0833	887	Brownish Liquid	Organic Liquid
31	0.0833	887	Brownish Liquid	Organic Liquid
32A	15	140637	Oily Black Liquid	Possible PCB
32B			Brownish Liquid	Water
34	0.0833	457	Black Liquid	Organic Liquid
37	?	?	Unable to Access (Similar to Tank 117)	?
40	0.166	393	Oily Black Liquid	Possible PCB
41	0.0833	197	Oily Black Liquid	Possible PCB
42	0.25	593	Oily Black Liquid	Possible PCB
43	0.166	393	Oily Black Liquid	Oil
90	0.166	9295	Black Tar-like Liquid	Oil
100	0.166	118	Flammable Clear Liquid	Unsaturated Oil
101	0	EMPTY	EMPTY	-
102	1	6532	Dark Liquid	Water & Rust
103	0.25	921	Musty Dirty Liquid	Water & Rust
104	0	EMPTY	EMPTY	-
108	0.833	11194	Black Liquid	Organic Liquid
109	0.166	2179	Musty Dirty Liquid	Water & Rust
110	0	EMPTY	EMPTY	-
111	0.166	1320	Oily Black Liquid	Oil
112	0	EMPTY	EMPTY	-
113	0.5	2658	Black Liquid	Organic Liquid
115	1.5	43217	Black Liquid	Organic Liquid
116	25	662562	Black Liquid	Organic Liquid
117	0.5	13251	Black Liquid	Organic Liquid
118	1	26502	Black Liquid	Possible PCB
119	10	265025	Black Liquid	Organic Liquid
300	4	372	Flammable Dark Liquid	Gasoline
301	2	186	Oily Black Liquid	Oil
302A	5.33	7009	Oily Black Liquid	Oil
302B			Clear Liquid	Water
303	0	EMPTY	EMPTY	-
304	21	4513	Flammable Amber Liquid	BTEX
305	16	1867	White Granular Solid	Organic Solid
306	15	1750	Not Sampled-assumed same as 305	-
307	11	1283	Flammable Clear Liquid	BTEX
308	?	?	Not Sampled-assumed same	-

40

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Table 1 (con't)

Tank Number	Tank Material Height (liq-ft)	Estimated Material Volume (gallons)	Description of Material	HazCat Results
			as 307	
309	0.0833	39	Black Tar-like Liquid	Possible PCB
310	0.166	118	Black Tar-like Liquid	Tar
311	9	5282	Oily Black Liquid	Oil
312	0.5	293	Oily Black Liquid	Possible PCB
313A	6	5158	Oily Black Liquid	Possible PCB
313B			Clear Liquid	Water
314	0.5	430	Clear Yellowish Liquid	Water & Rust
400	0	EMPTY	EMPTY	-
401	17	12045	Oily Black Liquid	Possible PCB
402	17	12045	Oily Black Liquid	Oil
403	17	12045	Black Tar-like Liquid	Organic Liquid
404	17	12045	Oily Black Liquid	Possible PCB
405	0	EMPTY	EMPTY	-
406	0.25	648	Oily Black Liquid	Possible PCB
407	9	23337	Black Tar-like Liquid	Possible PCB
408	1.5	3890	Clear Brownish Liquid	Water & Rust
409	17	44082	Black Tar-like Solid	Organic Liquid
410	0.5	1297	Oily Black Liquid	Oil
411	16	41489	Black Tar-like Liquid	Oil
412	0.33	856	Rust and Oil Sludge	Organic Liquid
413	3	7779	Black Tar-like Liquid	Oil
414	0.33	856	Oily Black Liquid	Oil
T1 (3 Trans)		45	Clear Yellow Liquid	Unsaturated Oil
T2 (3 Trans)		45	Clear Yellow Liquid	Unsaturated Oil
T3 (2 Trans, 2 Reactors)		50	Clear Yellow Liquid	Unsaturated Oil

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**TABLE 2**  
 Selected Analysis  
 South Central Terminal  
 R1A 00072  
 Pana, Illinois  
 August 1999

Tank Number	Estimated Material Volume (gallons)	Description of Material	HazCat Results	Analysis Selected
6	1772	Oily Black Liquid	Possible PCB	PCB, TOX
13	2800	Flammable Clear Liquid	Possible PCB	PCB,TOX,TPH,MET,VOC,BTU
19	EMPTY	EMPTY	-	-
30	887	Brownish Liquid	Organic Liquid	TOX
31	887	Brownish Liquid	Organic Liquid	TOX
32A	140637	Oily Black Liquid	Possible PCB	PCB,TOX,TPH,BTU,SUL
32B		Brownish Liquid	Water	-
34	457	Black Liquid	Organic Liquid	TOX
37	?	Unable to Access (Similar to Tank 117)	?	-
40	393	Oily Black Liquid	Possible PCB	PCB, TOX
41	197	Oily Black Liquid	Possible PCB	PCB, TOX
42	593	Oily Black Liquid	Possible PCB	PCB, TOX
43	393	Oily Black Liquid	Oil	TOX
90	9295	Black Tar-like Liquid	Oil	PCB,TOX,TPH,BTU,SUL
100	118	Flammable Clear Liquid	Unsaturated Oil	TOX,TPH,MET,VOC,BTU
101	EMPTY	EMPTY	-	-
102	6532	Dark Liquid	Water & Rust	TOX,TPH,MET,VOC,BTU
103	921	Musty Dirty Liquid	Water & Rust	TOX
104	EMPTY	EMPTY	-	-
108	11194	Black Liquid	Organic Liquid	TOX,TPH,MET,VOC,BTU
109	2179	Musty Dirty Liquid	Water & Rust	TOX
110	EMPTY	EMPTY	-	-
111	1320	Oily Black Liquid	Oil	TOX
112	EMPTY	EMPTY	-	-
113	2658	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
115	43217	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
116	662562	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
117	13251	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
118	26502	Black Liquid	Possible PCB	PCB,TOX,TPH,MET,VOC,BTU
119	265025	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
300	372	Flammable Dark Liquid	Gasoline	TOX,TPH,MET,VOC,BTU
301	186	Oily Black Liquid	Oil	TOX
302A	7009	Oily Black Liquid	Oil	TOX,TPH,BTU,SUL
302B		Clear Liquid	Water	-
303	EMPTY	EMPTY	-	-
304	4513	Flammable Amber Liquid	BTEX	PCB,TOX,TPH,MET,VOC,BTU
305	1867	White Granular Solid	Organic Solid	TOX,MET,VOC
306	1750	Not Sampled-assumed same as 305	-	-
307	1283	Flammable Clear Liquid	BTEX	PCB,TOX,TPH,MET,VOC,BTU
308	?	Not Sampled-assumed same as 307	-	-
309	39	Black Tar-like Liquid	Possible PCB	TOX
310	118	Black Tar-like Liquid	Tar	TOX

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Table 2 (con't)

Tank Number	Estimated Material Volume (gallons)	Description of Material	HazCat Results	Analysis Selected
311	5282	Oily Black Liquid	Oil	PCB, TOX, TPH, BTU, SUL
312	293	Oily Black Liquid	Possible PCB	TOX
313A	5158	Oily Black Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
313B		Clear Liquid	Water	-
314	430	Clear Yellowish Liquid	Water & Rust	TOX
400	EMPTY	EMPTY	-	-
401	12045	Oily Black Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
402	12045	Oily Black Liquid	Oil	PCB, TOX, TPH, BTU, SUL
403	12045	Black Tar-like Liquid	Organic Liquid	PCB, TOX, TPH, BTU, SUL
404	12045	Oily Black Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
405	EMPTY	EMPTY	-	-
406	648	Oily Black Liquid	Possible PCB	TOX
407	23337	Black Tar-like Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
408	3890	Clear Brownish Liquid	Water & Rust	TOX, TPH, MET, VOC, BTU
409	44082	Black Tar-like Solid	Organic Liquid	PCB, TOX, TPH, BTU, SUL
410	1297	Oily Black Liquid	Oil	TOX
411	41489	Black Tar-like Liquid	Oil	PCB, TOX, TPH, BTU, SUL
412	856	Rust and Oil Sludge	Organic Liquid	TOX
413	7779	Black Tar-like Liquid	Oil	PCB, TOX, TPH, BTU, SUL
414	856	Oily Black Liquid	Oil	TOX
T1 (3 Trans)	45	Clear Yellow Liquid	Unsaturated Oil	PCB
T2 (3 Trans)	45	Clear Yellow Liquid	Unsaturated Oil	PCB
T3 (2 Trans, 2 Reactors)	50	Clear Yellow Liquid	Unsaturated Oil	PCB

PCB - polychlorinated biphenols

TOX- total organic halogens

TPH - total petroleum hydrocarbons

MET - TAL metals

VOC - volatile organic compounds

BTU - british thermal unit

SUL - sulfides

NH3 - ammonia

## **Figures**

### **Figures**

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**FIGURE 1**

Site Map  
Approximate Tank Locations  
South Central Terminal  
Pana, Illinois  
July 1999

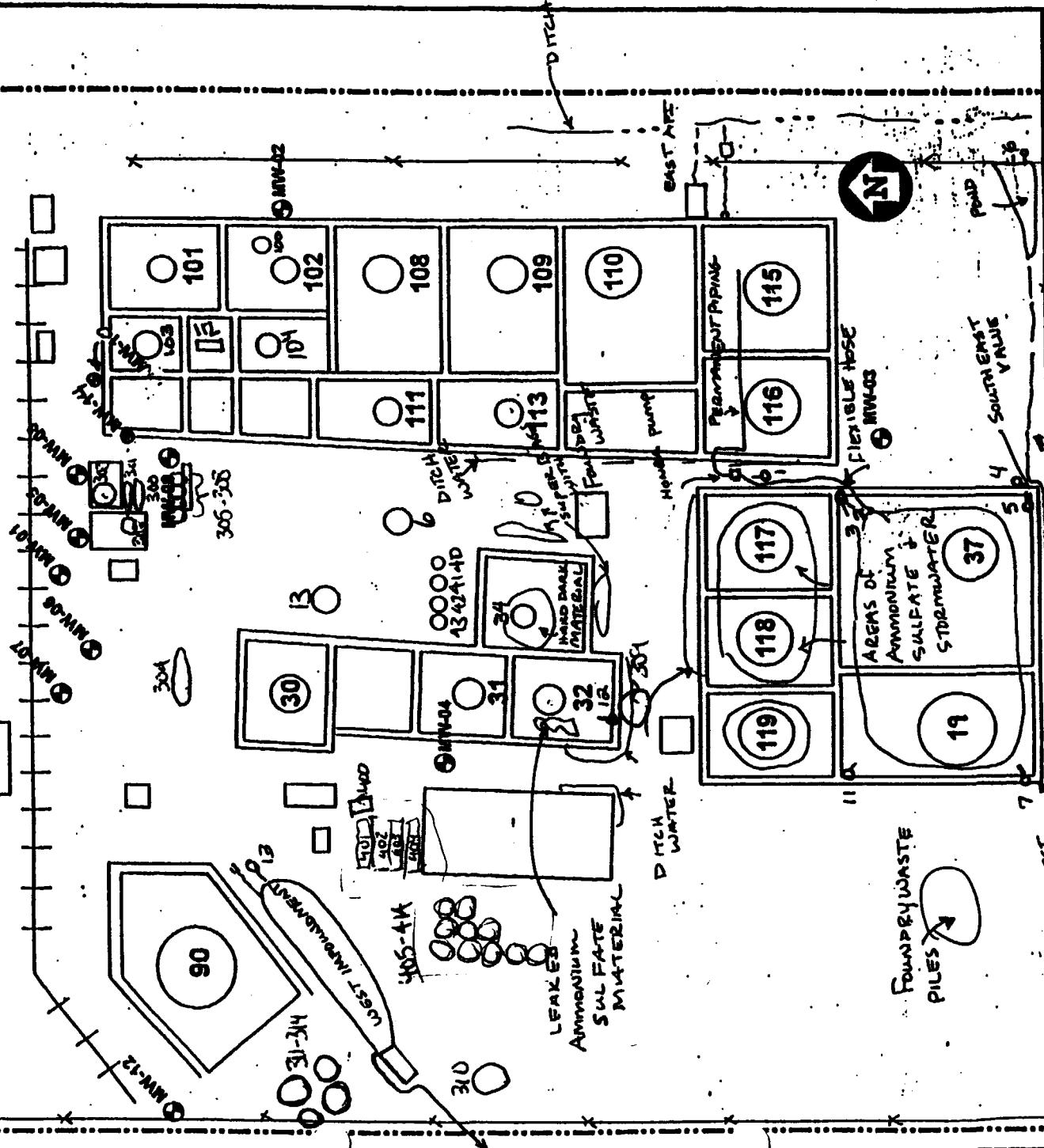
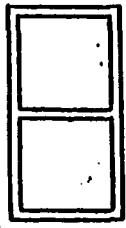
Panel South Central Terminal SITE SKETCH

## Central Terminal Site Sketch

Time: 11:50AM

二  
Key

b - INDICATES DIRECTION OF APPROX



## SEE SITE SKETCH 2

# **Appendix A**

## **APPENDIX A**

**Tank Sampling Work Sheets &  
HazCat Flowchart Sheets  
South Central Terminal  
Pana, Illinois  
R1A 00072  
August 1999**



U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page \_\_\_\_ of \_\_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zawair

Date: 7/13/99

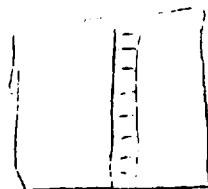
REAC Task Leader: Metz

Drum/Tank #: 6

Approximate Volume: ~9" liquid (air)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26210	<u>black liquid</u>

Sampling Diagram



I EPA listed as crude

SAMPLE INFORMATION:

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 18'1" tall, 63 in., 1000 barrels

3. Label present: No,  Yes: 6

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

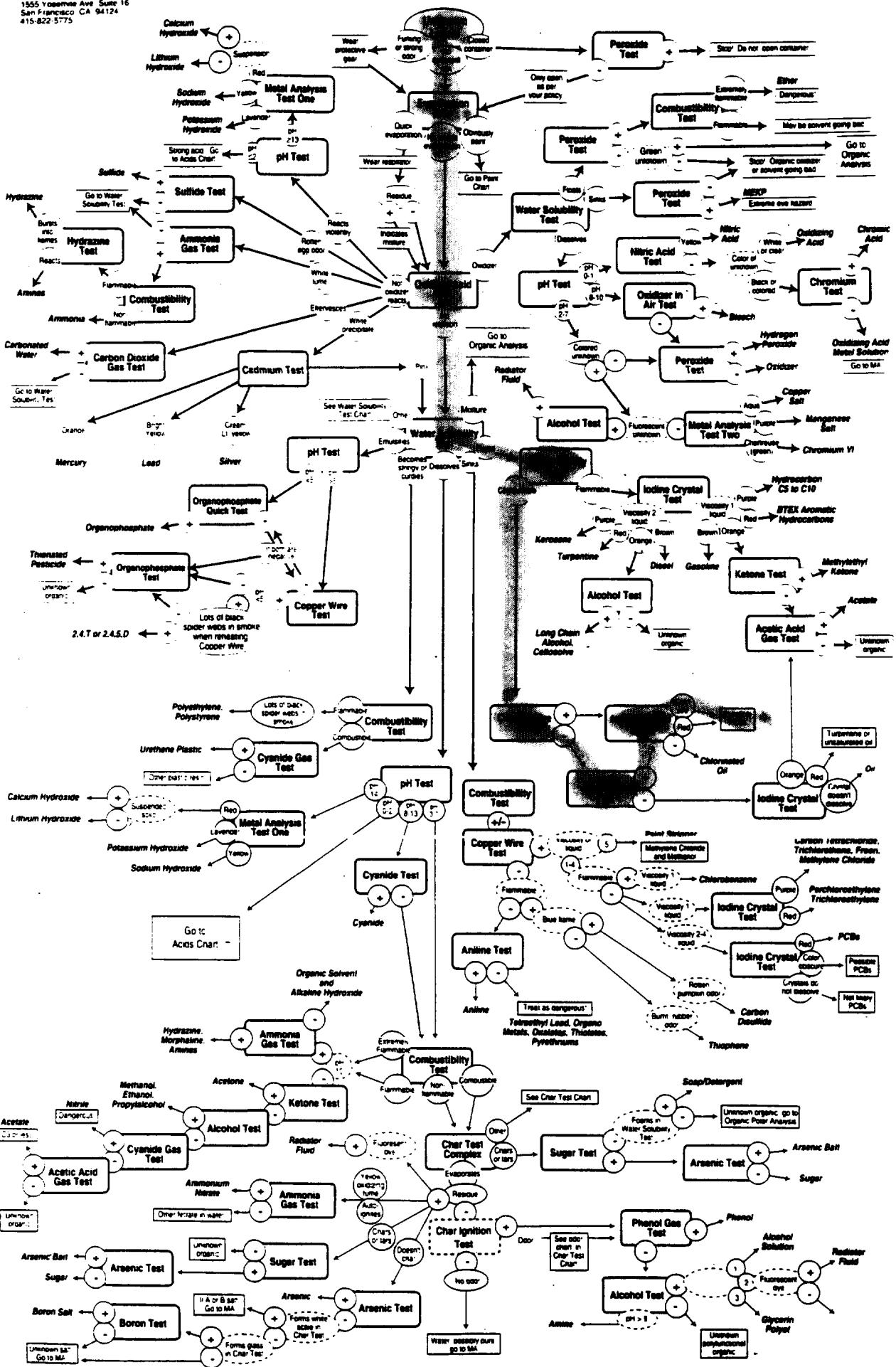
5. Description: liquid, solid (powder or crystals), sludge

6. Color: black liquid, Odor: petroleum, Vapors: HNU 70 ppm,

Other: intact on top, leaking on top, 3 32-oz jars, tank vented nicely,  
into the ground 2 40-mL VOA,

## L I Q U I D S C H A R T

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San Francisco CA 94124  
415-822-5775





**U.S. EPA/Environmental Response Team Center**  
**Response Engineering Analytical Contract**  
**Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: RIA00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Townie

Date: 7/13/99

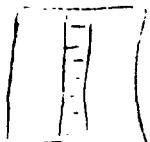
REAC Task Leader: Metz

Drum/Tank #: 13

Approximate Volume: ~1-2 feet of liquid and sludge

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26211	Flammable Clear Yellow, Smelly (gas) - PCB
26240	Metals
26255	VOC

Sampling Diagram



TECA lists - Naphtha

Flammable

SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 16'3" tall x 47'1" wide, 500 barrels

3. Label present:  No,  Yes: 13

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: clear, yellow liquid, Odor: gasoline, Vapors: 4,000 ppm

Other: no breaks, batch on top, 3 30-g l & 2 40-mL collected

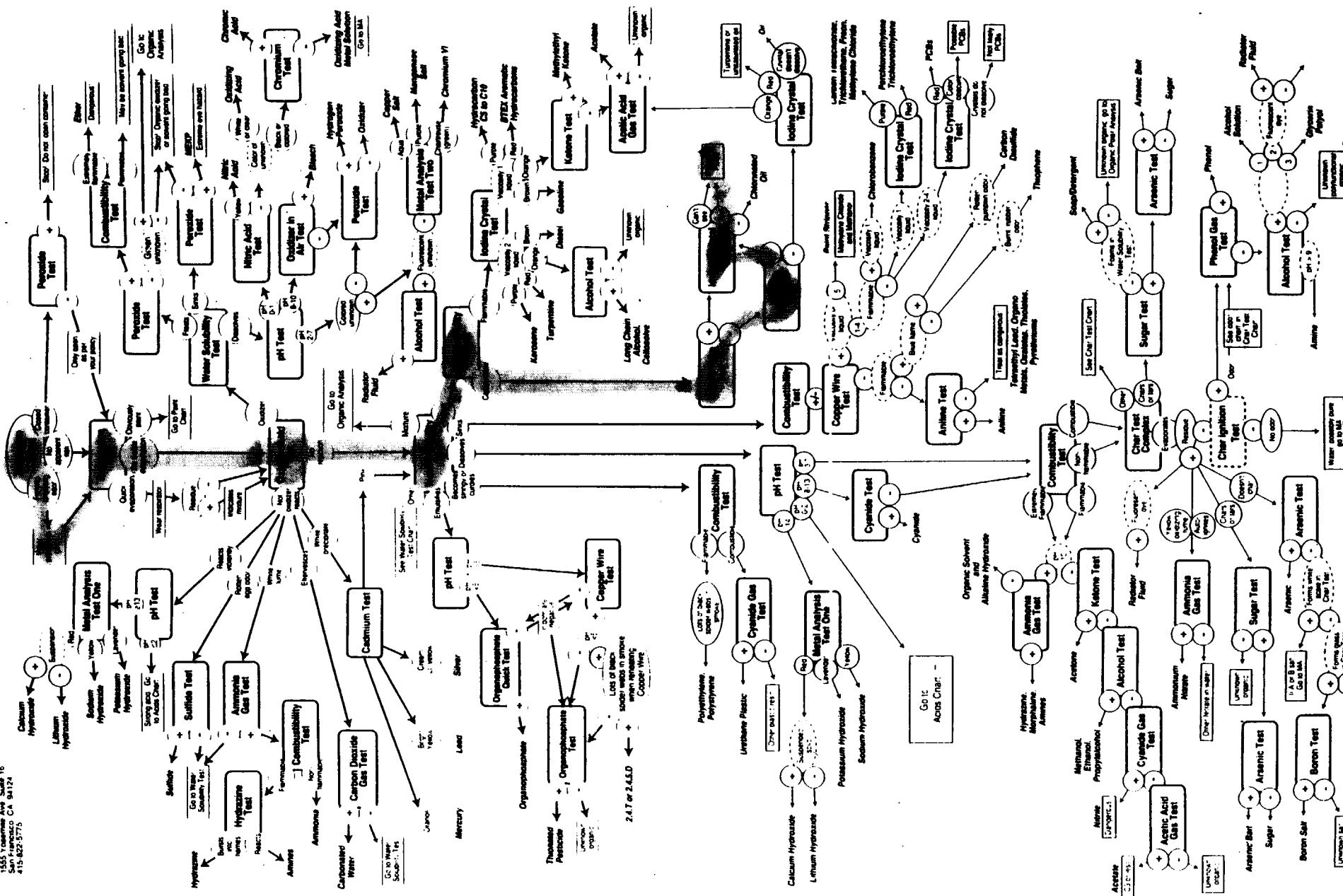
**L I Q U I D S**

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San Francisco CA 94124  
415-822-5775

## **L E C T U R E**

# **H A R T**

## **I Q U I D S**





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zonni

Date: 7/15/99

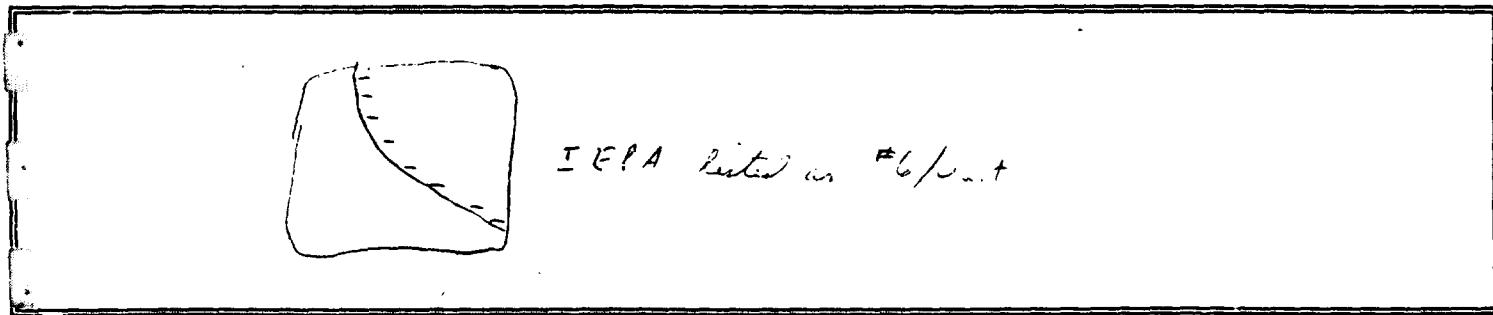
REAC Task Leader: Metz

Drum/Tank #: 14

Approximate Volume: empty

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	TANK EMPTY - NO HAZCAT

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 40' x 24' 31x15' in 550 barrels

3. Label present: No,  Yes: 19

4. Spill or Leak present: No,  Yes, Dimensions: 900' x 200'

5. Description: liquid, solid (powder or crystals), sludge

6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: \_\_\_\_\_

Other: depth indicator touch at bottom of the tank



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonair

Date: 7/14/95

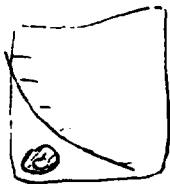
REAC Task Leader: Metz

Drum/Tank #: 30

Approximate Volume: ~1" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

**Sampling Diagram**



*I EPA listed as on Crude*

**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 40'7" tall, 13'9" circ, 1000 barrel

3. Label present: No,  Yes: 30

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (powder or crystals), sludge

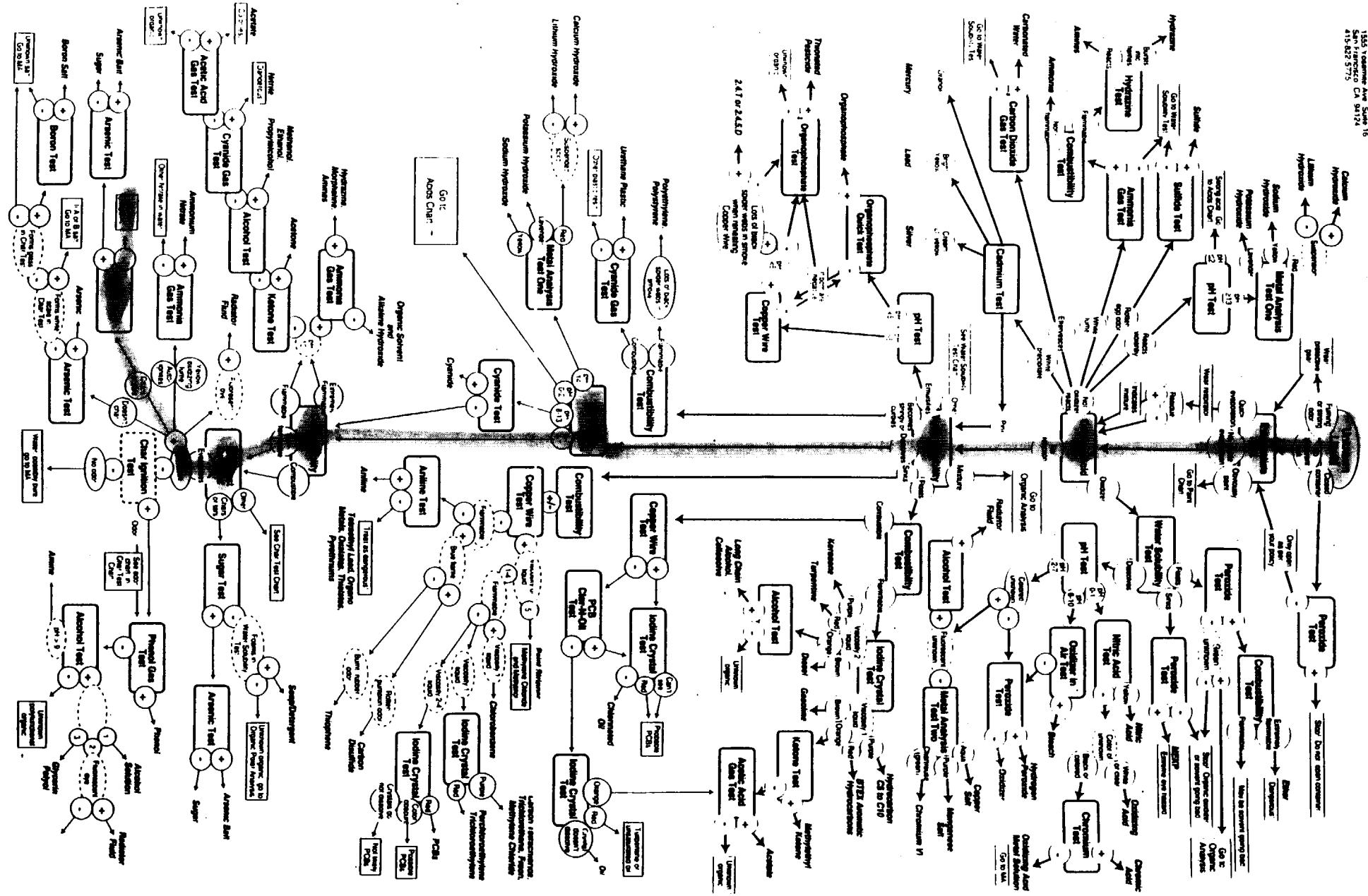
6. Color: brownish black, Odor: sulfur, Vapors: PID 20 ppm (most), 3-4 ppm (least)

Other: open port is manway, no baffle, opened manway to collect sample product  
(3 32-7, 92 40 mL)

# L I Q U I D S

30 NF

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Page 01

**U.S. EPA/Environmental Response Team Center**  
**Response Engineering Analytical Contract**  
**Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00070

Sampler: Metz, Pennsylvania

U.S. EPA/ERTC WAM: Zannier

Date: 7/14/99

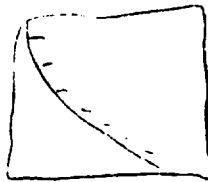
REAC Task Leader: Metz

Drum/Tank #: 31

Approximate Volume: -1" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



*TEPA listed as 6 lmt*

**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 40' 13 1/2" tall, 133' 10" wide, 10000 barrels

3. Label present: No,  Yes: 31

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

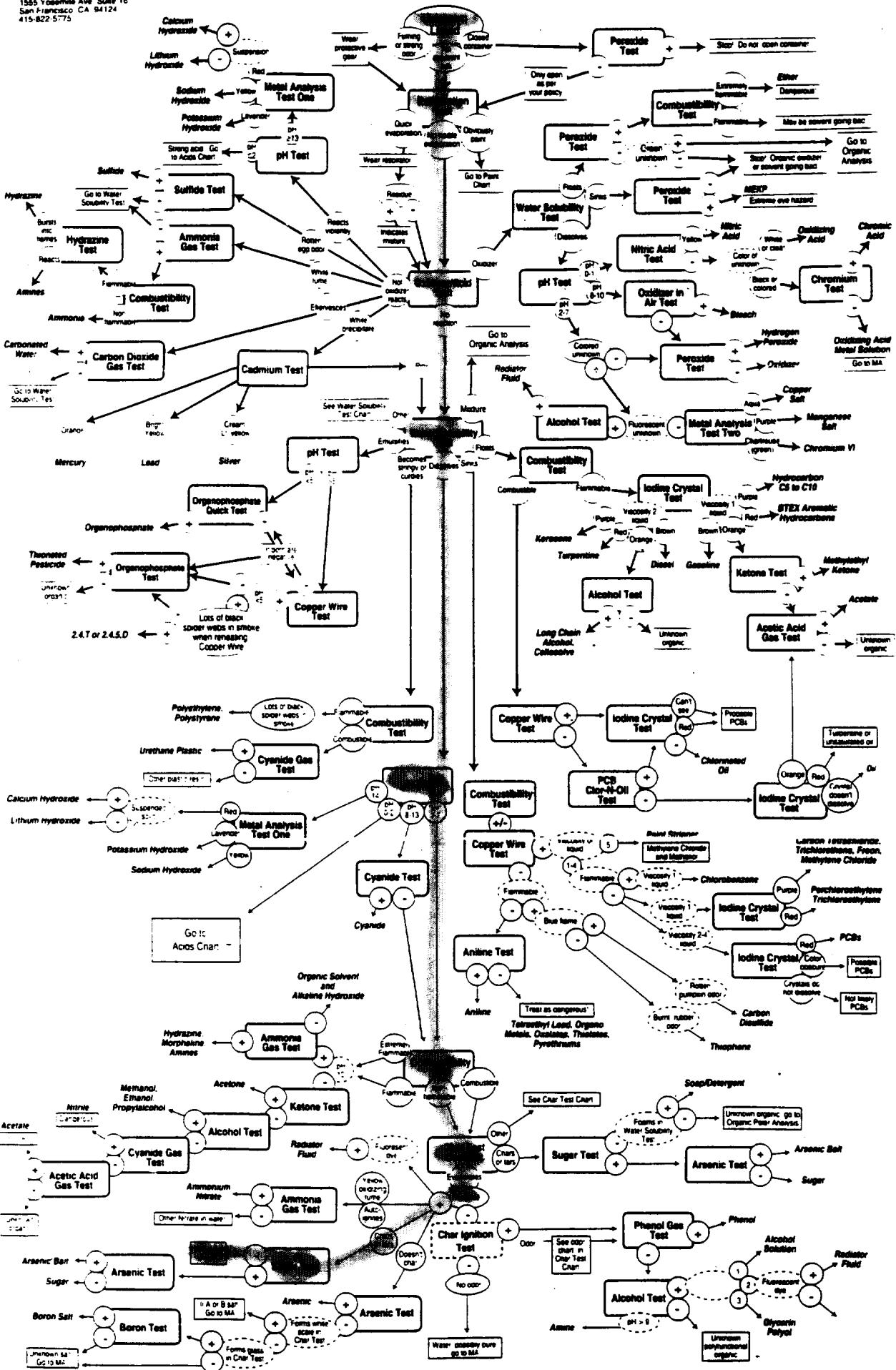
5. Description: liquid, solid (powder or crystals), sludge

6. Color: brown/black, Odor: slight, Vapors: \_\_\_\_\_

Other: seen through manway, white product for HAZCAT (3 1/2' x 1 40' m)

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LIQUIDS  
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U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1400077

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonan

Date: 7/14/99

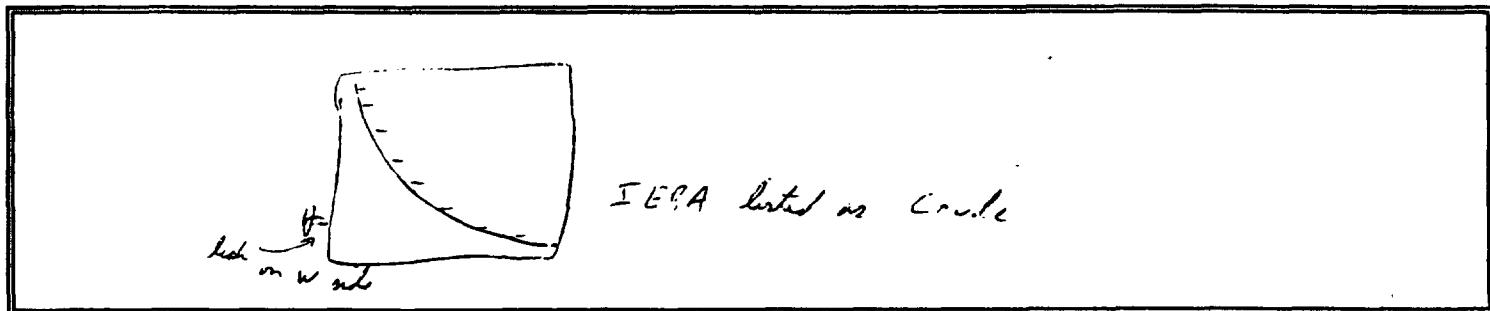
REAC Task Leader: Metz

Drum/Tank #: 32

Approximate Volume: 14-15' of product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26212	Black Oil - PCB
	Top layer ONLY

Sampling Diagram

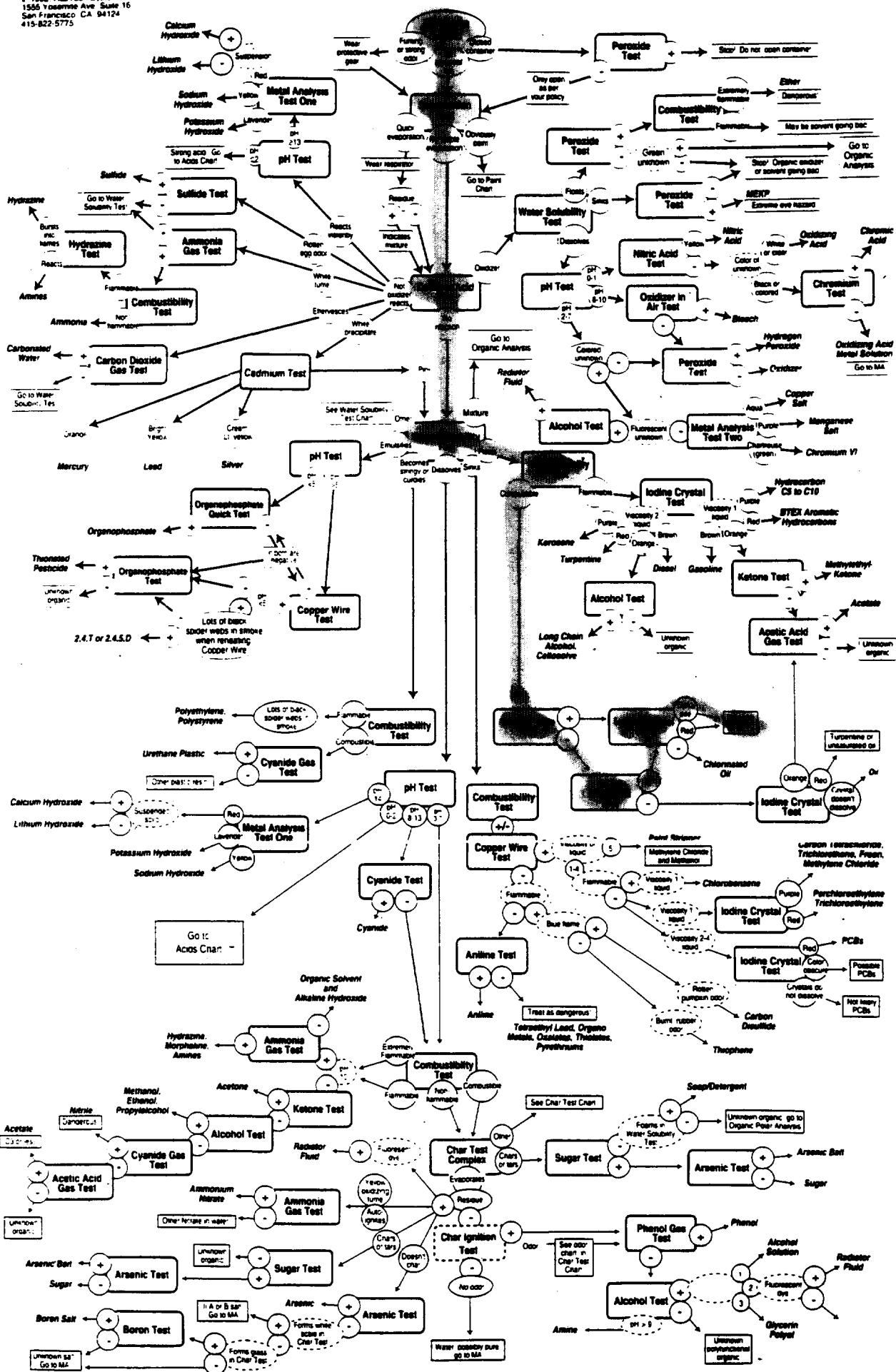


SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_
2. Container dimensions: Shape: cylindrical  
Approximate size: 40' 3 1/2" tall, 125' 5 3/4" circ., 10,000 barrels
3. Label present:  No,  Yes: 32
4. Spill or Leak present:  No,  Yes, Dimensions: 20' x 40' (open)
5. Description:  liquid,  solid ( powder or  crystals),  sludge
6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: PID 88 ppm (initial), 5 ppm (breathing)  
Other: leach or W side of tank, sample collected for HAZCAT to test LEL ND  
oil on top, ammonia/water on bottom

**H A Z U R D  
L I Q U I D S  
C H A R T**

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00070

Sampler: Metz, Parsons

U.S. EPA/ERTC WAM: Zownir

Date: 7/14/99

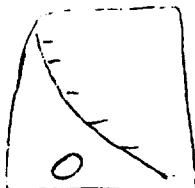
REAC Task Leader: Metz

Drum/Tank #: 34

Approximate Volume: <1" thick, 2-3' diam.

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

**Sampling Diagram**



EPA listed as #AGO

**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 48 3/4" tall, 16" dia., 6000 liters

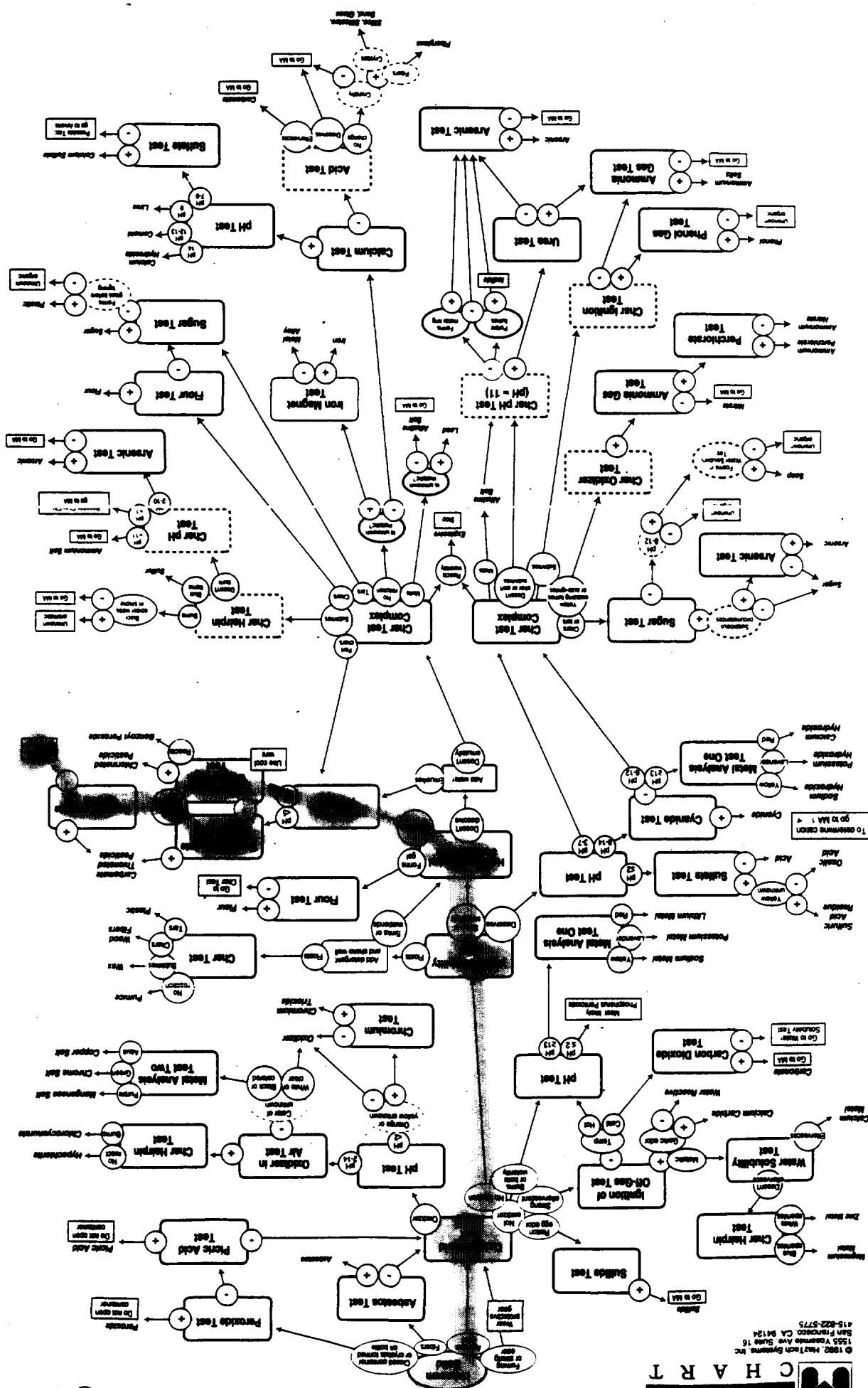
3. Label present:  No,  Yes: 34

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

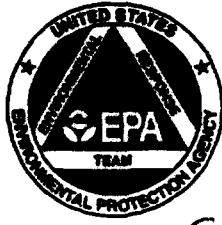
5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: -, Vapors: \_\_\_\_\_

Other: memory of, possible leak from an earlier time, tjs was intact



三十一



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_ of \_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: 72

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: ZOCWNR

Date: 7/15/99

REAC Task Leader: METZ

Drum/Tank #: 37

Approximate Volume: UNKNOWN

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	UNABLE TO ACCESS
	SIMILAR TO TANK 19

**Sampling Diagram**

A large rectangular box intended for drawing a sampling diagram.

**SAMPLE INFORMATION:**

1. Container type: Drum, Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present: No, Yes: \_\_\_\_\_

4. Spill or Leak present: No, Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (powder or crystals), sludge

6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: \_\_\_\_\_

Other: \_\_\_\_\_



U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page \_\_\_\_ of \_\_\_\_

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SC+

WA#: R1A00070

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zoumair

Date: 7/12/99

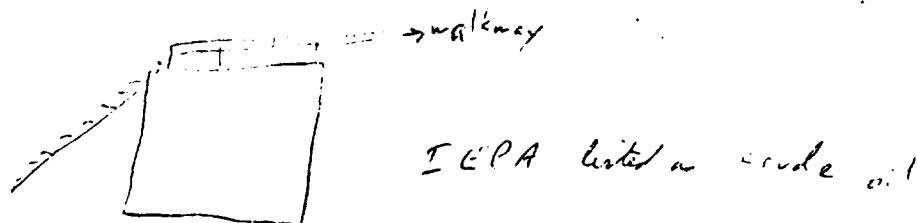
REAC Task Leader: Metz

Drum/Tank #: 70

Approximate Volume: ~2" crude oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26213	Black Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 18'7" tall, 63'1" dia, 1000 barrels

3. Label present:  No,  Yes: 70

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

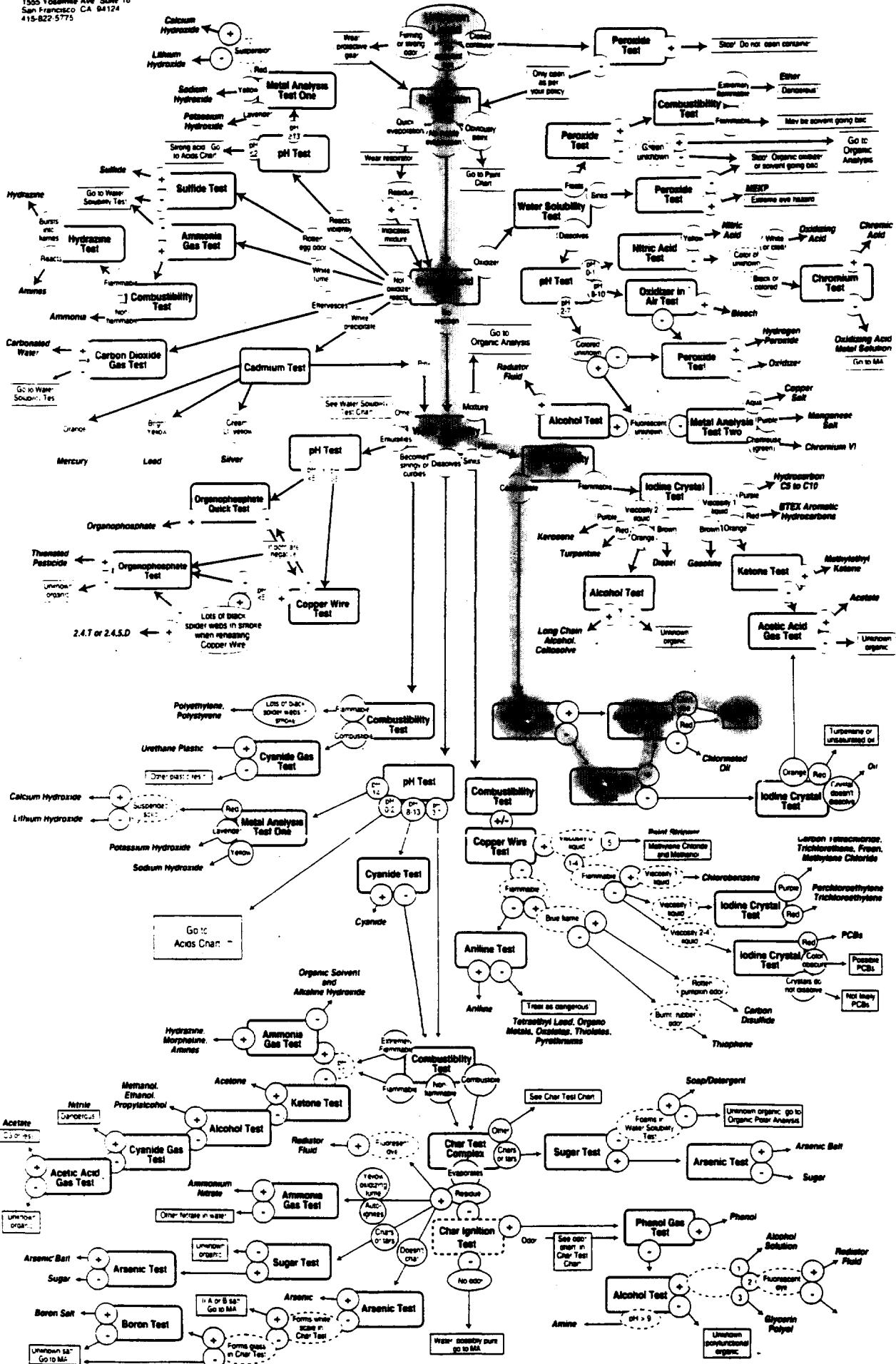
6. Color: black, Odor: oily, Vapors: HNU Ogon, LCC ND

Other: no breaks observed

3 32-oz jars, 2 40-ml vials collected

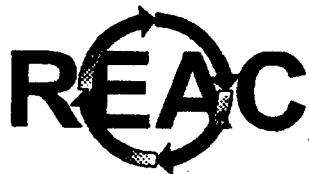
**HAZUAR LIQUIDS CHART**

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U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00077

Sampler: Metz, Pereina

U.S. EPA/ERTC WAM: Zoumair

Date: 7/10/99

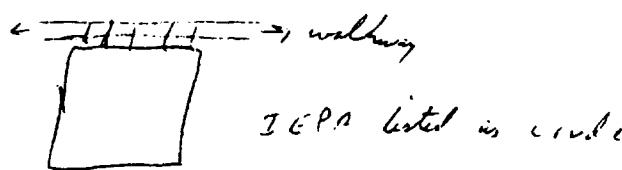
REAC Task Leader: Metz

Drum/Tank #: 41

Approximate Volume: ~ 1" crude oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26214	Black oily - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 18' 6" tall, 63' 1" wide, 1000 barrels

3. Label present: No,  Yes: 41

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (powder or crystals), sludge

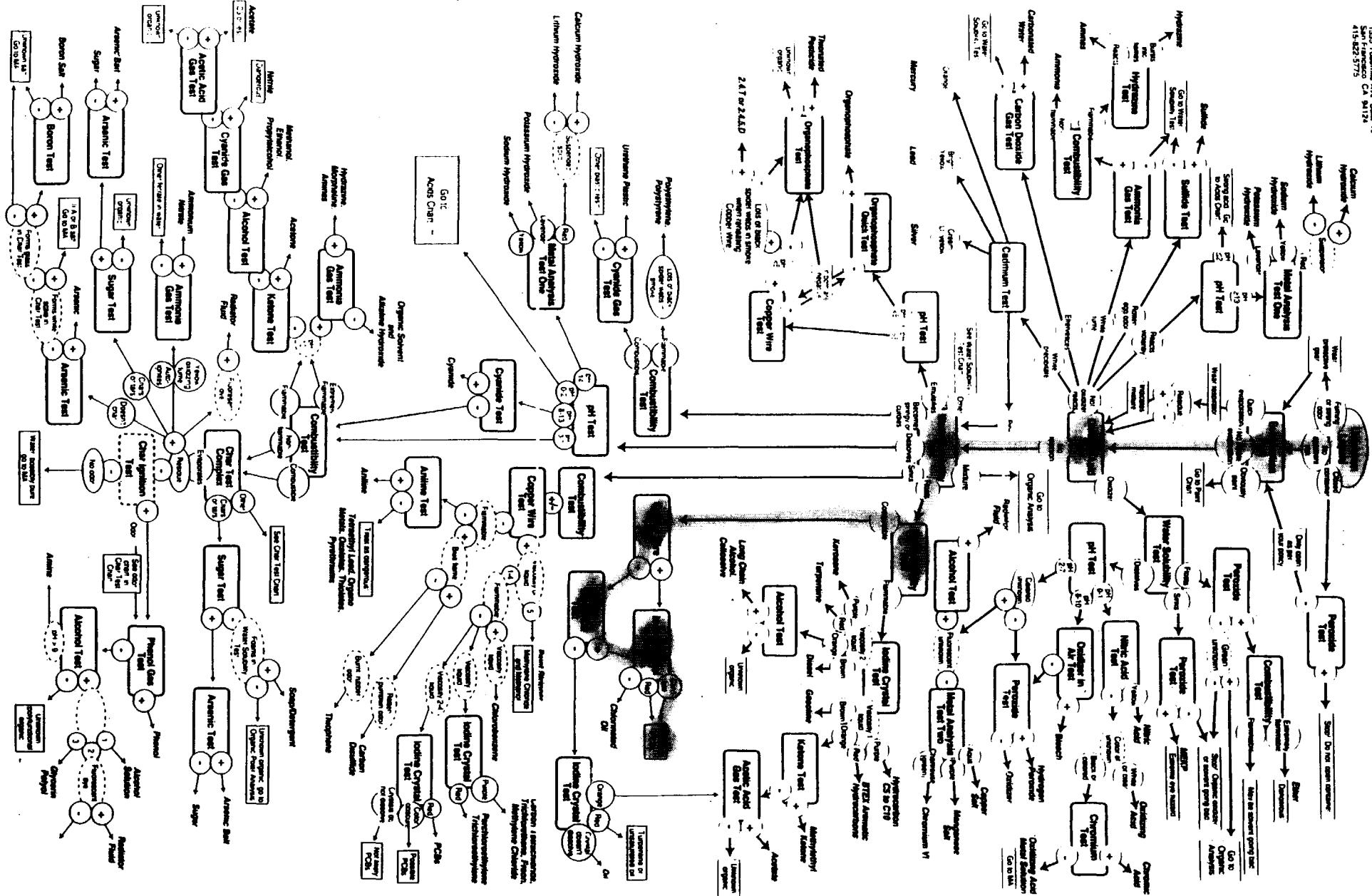
6. Color: black, Odor: oily, petroleum, Vapors: HVV ozone, LEL ND

Other: no bushes, will collect 1 gal for comparison w/ Tank 40

8 DDZ 111 10 oz

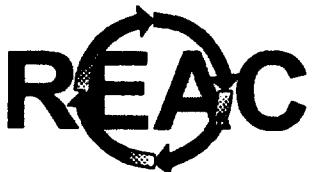
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**LIQUIDS**  
**C H A R T**

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R 1A00077

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonner

Date: 7/13/99

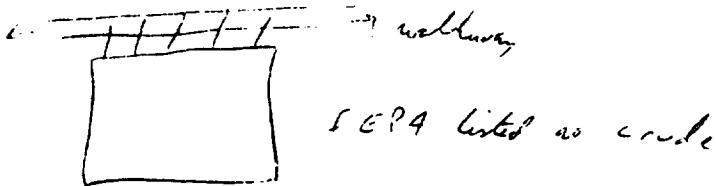
REAC Task Leader: Metz

Drum/Tank #: 42

Approximate Volume: ~3" oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26215	Black Oil, - PCB

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 18' tall, 63'0" dia, 1000 gal

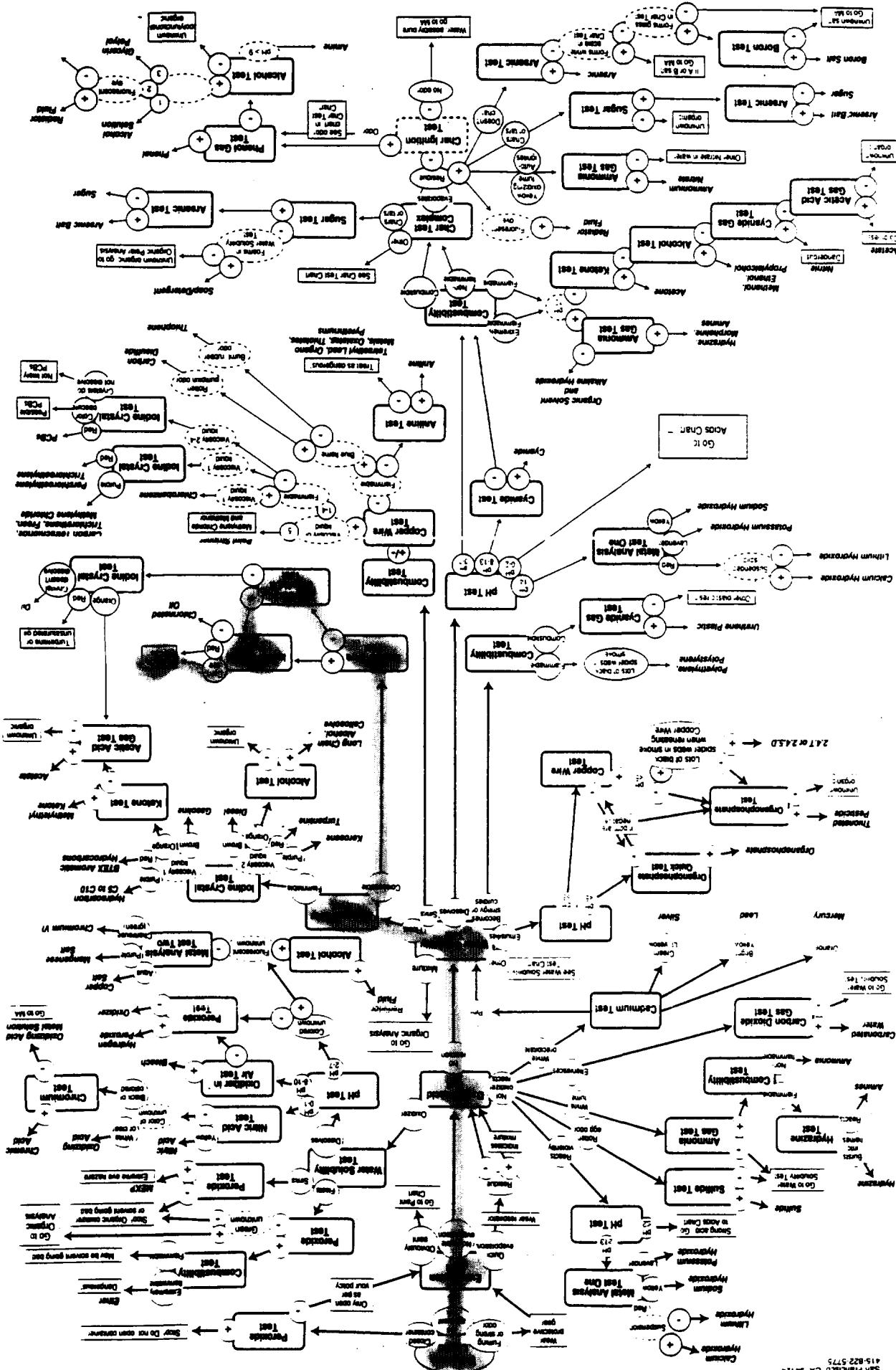
3. Label present:  No,  Yes: 42

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: oily, Vapors: none seen, LEL ND

Other: 1 jar (~23g) collected for HAZCAT, no brushes



42 NF



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00073

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zoumair

Date: 7/13/99

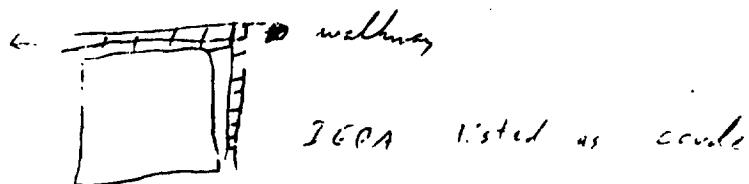
REAC Task Leader: Metz

Drum/Tank #: 43

Approximate Volume: ~2" air

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

**Sampling Diagram**



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 18'7" tall, 63'3" dia 000 barrels

3. Label present:  No,  Yes: X 43

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: oil/petroleum, Vapors: no open, loc nd

Other: 132-03, intact, no breaches





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zomnir

Date: 7/14/99

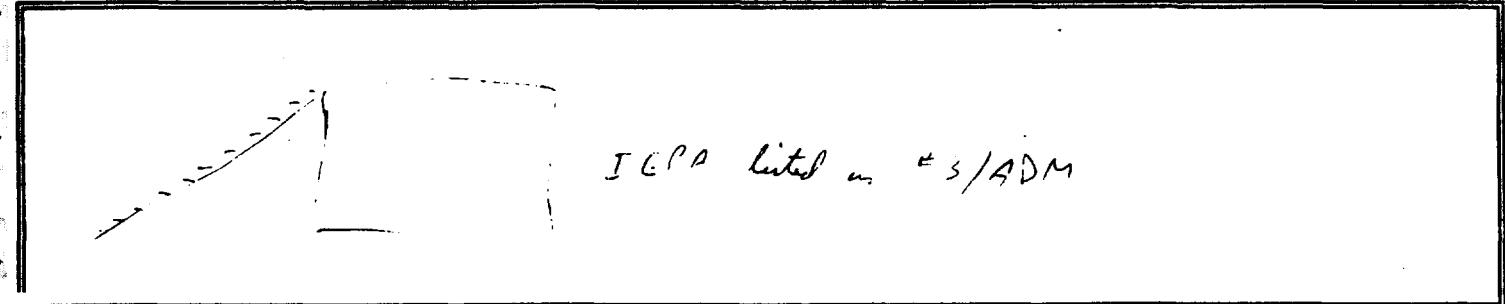
REAC Task Leader: Metz

Drum/Tank #: 90

Approximate Volume: 1/2' above rd'

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26216	Black TAR-like - PCR

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 4' x 3' tall, 306' 7 1/2" wide, 55.104 barrels

3. Label present:  No,  Yes: 90

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

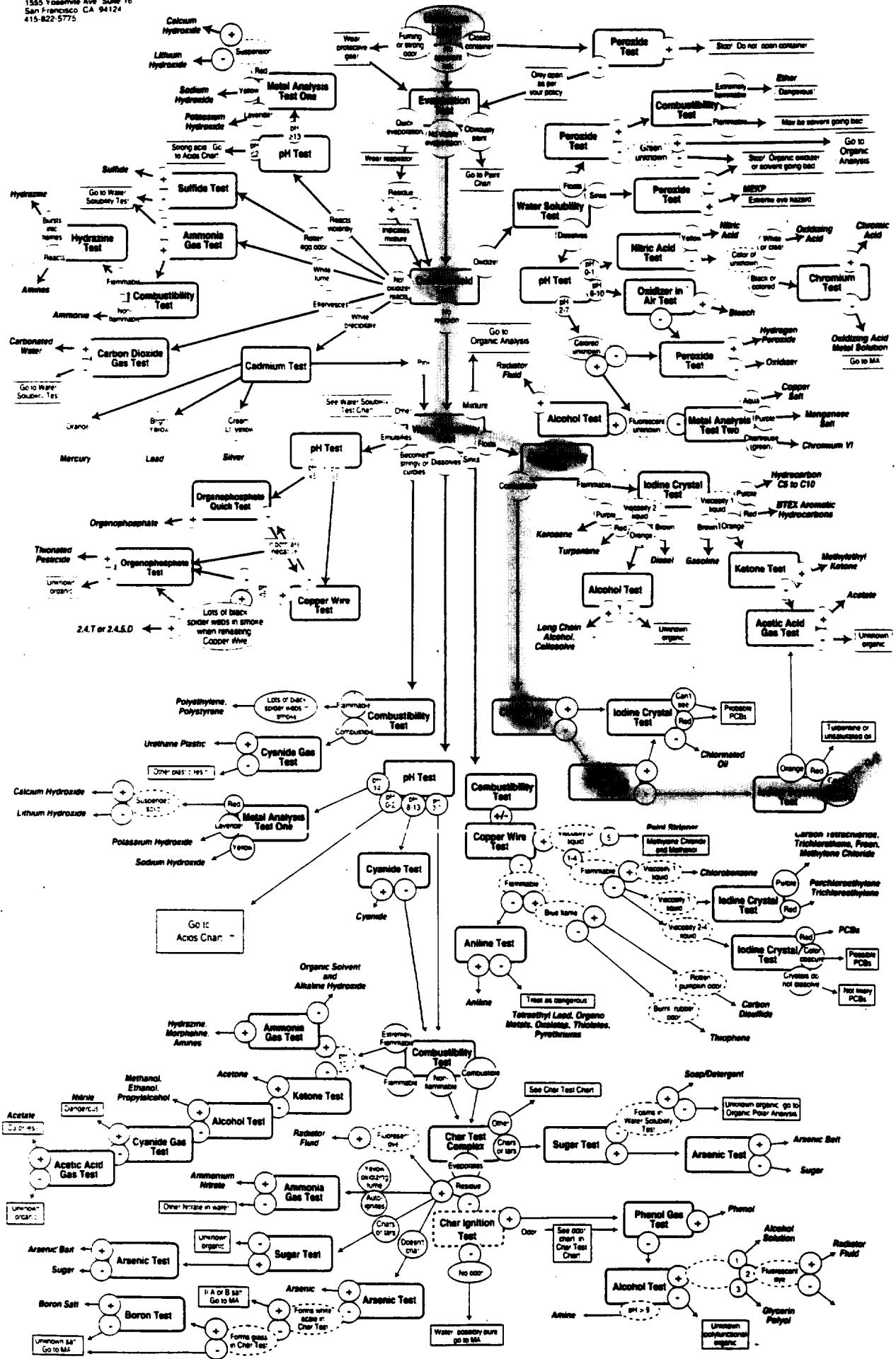
6. Color: black, Odor: petroleum, Vapors: PID 4.4 ppm

Other: enter on driveway, removed by REAC, no bushes, tank not available asphalt floor  
restored by REAC after leak begins  
(tank may be tilted to W), so enter (3 22 g, 2 40 mL)  
hot on E. this leak, so sample from top

# HAZCAI LIQUIDS CHART

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90 NF





U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zouma

Date: 7/13/99

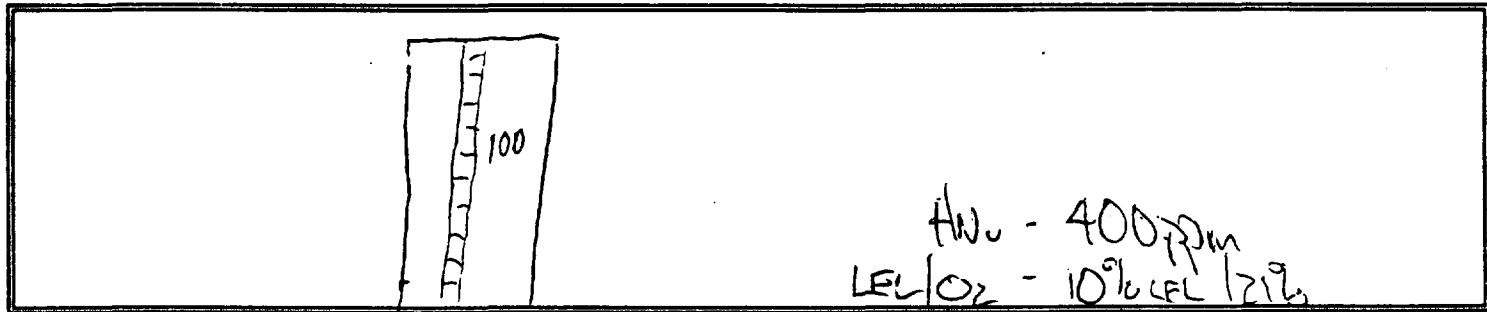
REAC Task Leader: Metz

Drum/Tank #: 100

Approximate Volume: no sludge, bottom is hard, 1" liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26241	Clear Amber Liquid - metals - VOC's
26256	
	* Flammable

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: cap. 525 Lmb, 27 tall, 34" dia

3. Label present:  No,  Yes: REB

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: \_\_\_\_\_, Odor: gasoline, Vapors: \_\_\_\_\_

Other: no visible holes on top of tank, no sludge, bottom is hard

3.32g, 2-40ml VOA





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: AIA00072

Sampler: McTz, Pereira

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

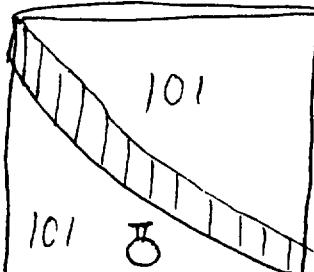
REAC Task Leader: McTz

Drum/Tank #: 101

Approximate Volume: Appears empty.

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	MT NO HAZCAT

**Sampling Diagram**



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: Cylindrical

Approximate size: 32'5" tall, 105'5" circumference, 5050 drum cap

3. Label present:  No,  Yes: 101

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: \_\_\_\_\_, Odor: ND, Vapors: \_\_\_\_\_

Other: Tank breached at bottom, removed approx 6" opening by base,  
approx 12" sediment (not w/foreign white material) on bottom, no visible hubs on top



Page \_\_\_\_ of \_\_\_\_

**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: RIA00072

Sampler: McTe, Pereira

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/89

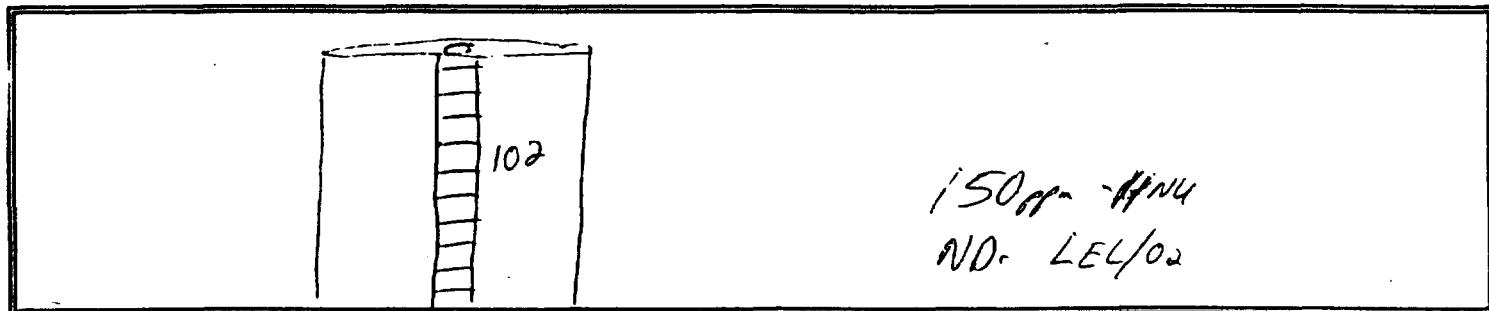
REAC Task Leader: McTe

Drum/Tank #: 102

Approximate Volume: approx. 10" liquid & bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26242	Dark Liquid - fuel oil
26257	VOCs

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 34' 7" tall, 104' 8 1/2" acc., 5,500 bush. cap.

3. Label present:  No,  Yes: 102

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: dark (oily?), Odor: musty water, Vapors: \_\_\_\_\_

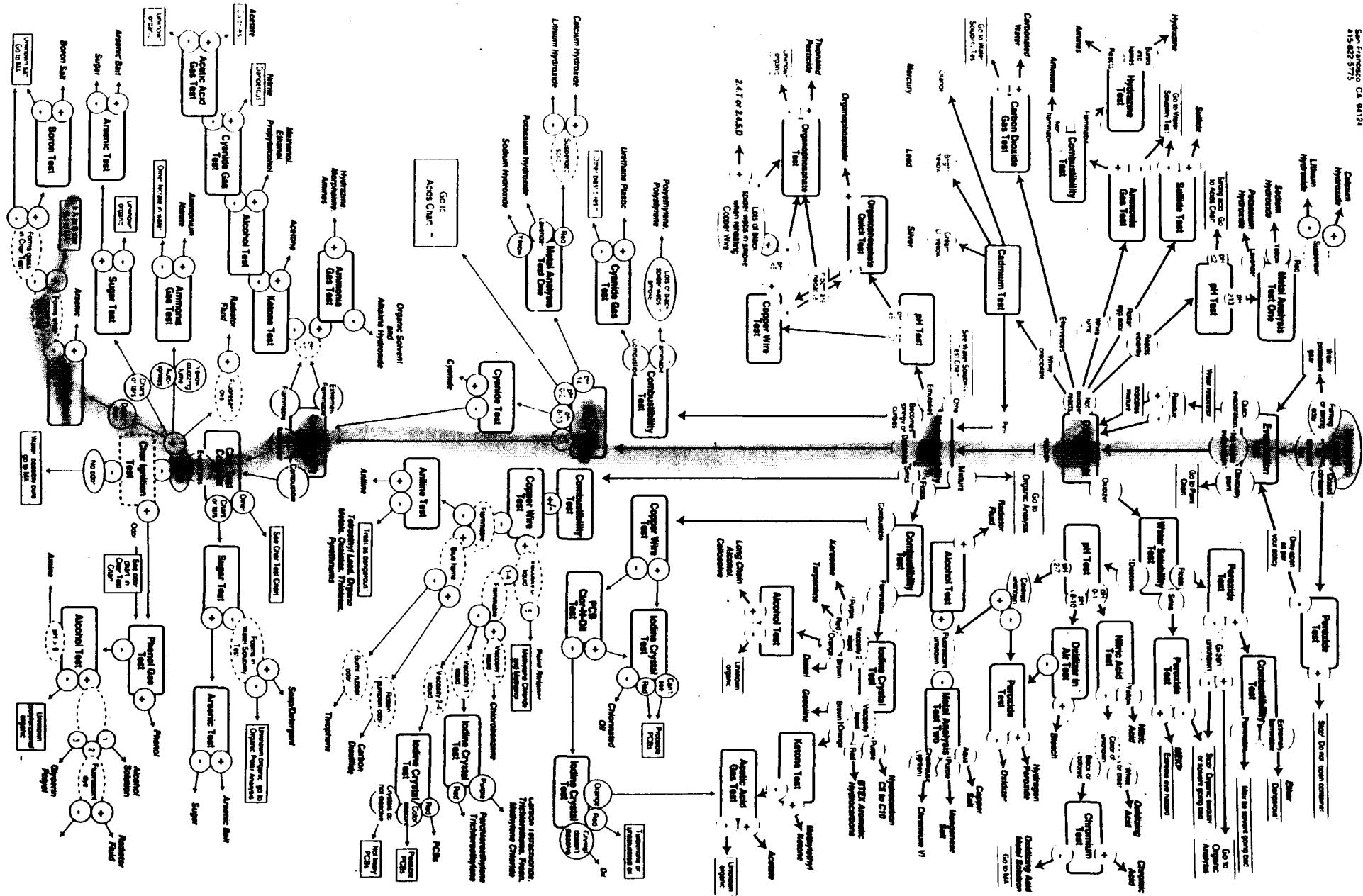
Other: holes on top, hatch (w) open on top to environment

4-30oz, 2-40 ml UVA, sediment on bottom, sampled w/ opened manway on bottom

# L I Q U I D S

102 F

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U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page \_\_\_\_ of \_\_\_\_  
**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: McTz, Pereira

U.S. EPA/ERTC WAM: Zownia

Date: 7/13/99

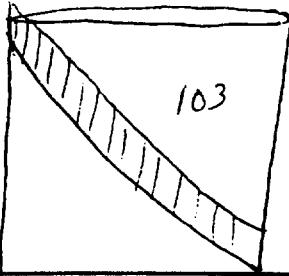
REAC Task Leader: McTz

Drum/Tank #: 103

Approximate Volume: 3" liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: Cylindrical

Approximate size: 30' 2 3/4" tall, 18' 8" circ., 2,600 barrel caps

3. Label present: No,  Yes: 103

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid, solid (powder or crystals), sludge

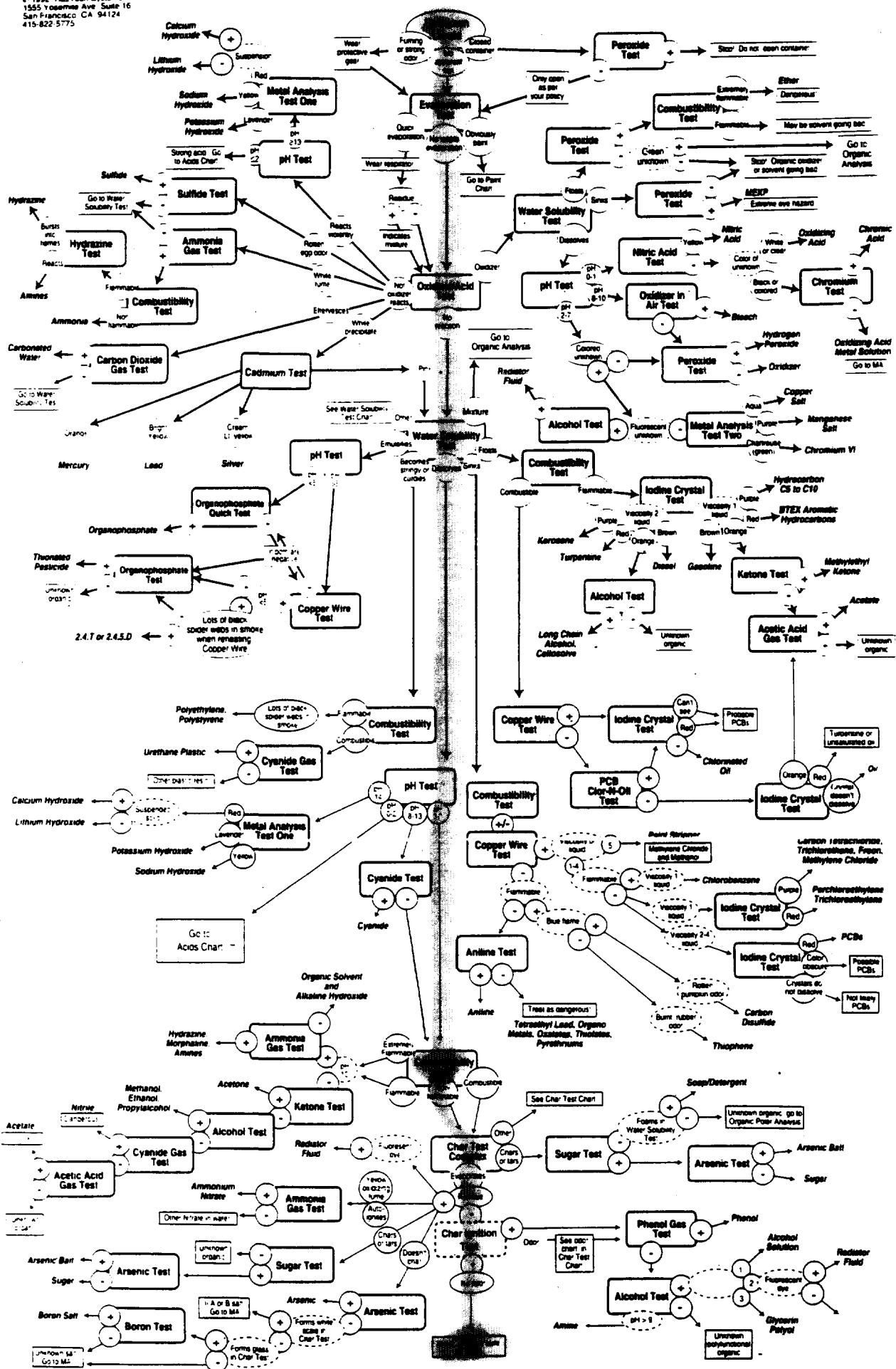
6. Color: \_\_\_\_\_, Odor: musty water, Vapors: H2S NO, Lel/ta NO

Other: Opened manway on bottom, no sediment observed

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L I Q U I D S  
C H A R T**

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103 NF





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: McTz, Reining

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

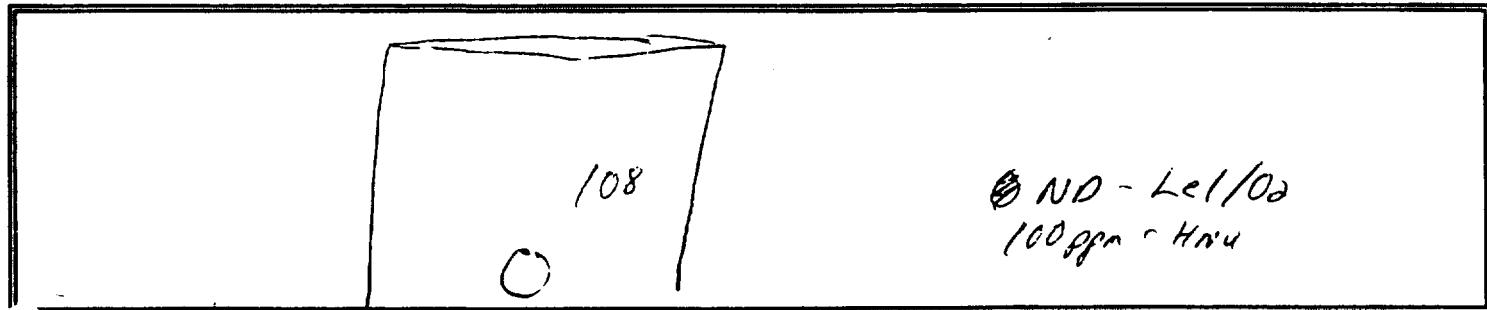
REAC Task Leader: McTz

Drum/Tank #: 108

Approximate Volume: 6" liquid, 4" sediment

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26258	Black Liquid - VOC
26243	Metals

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: Cylindrical

Approximate size: 32' tall, 150' 3' circumference, 10,020.000000000001 gal cap.

3. Label present:  No,  Yes: 108

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

Ammena??

6. Color: \_\_\_\_\_, Odor: Musty water, Vapors: \_\_\_\_\_

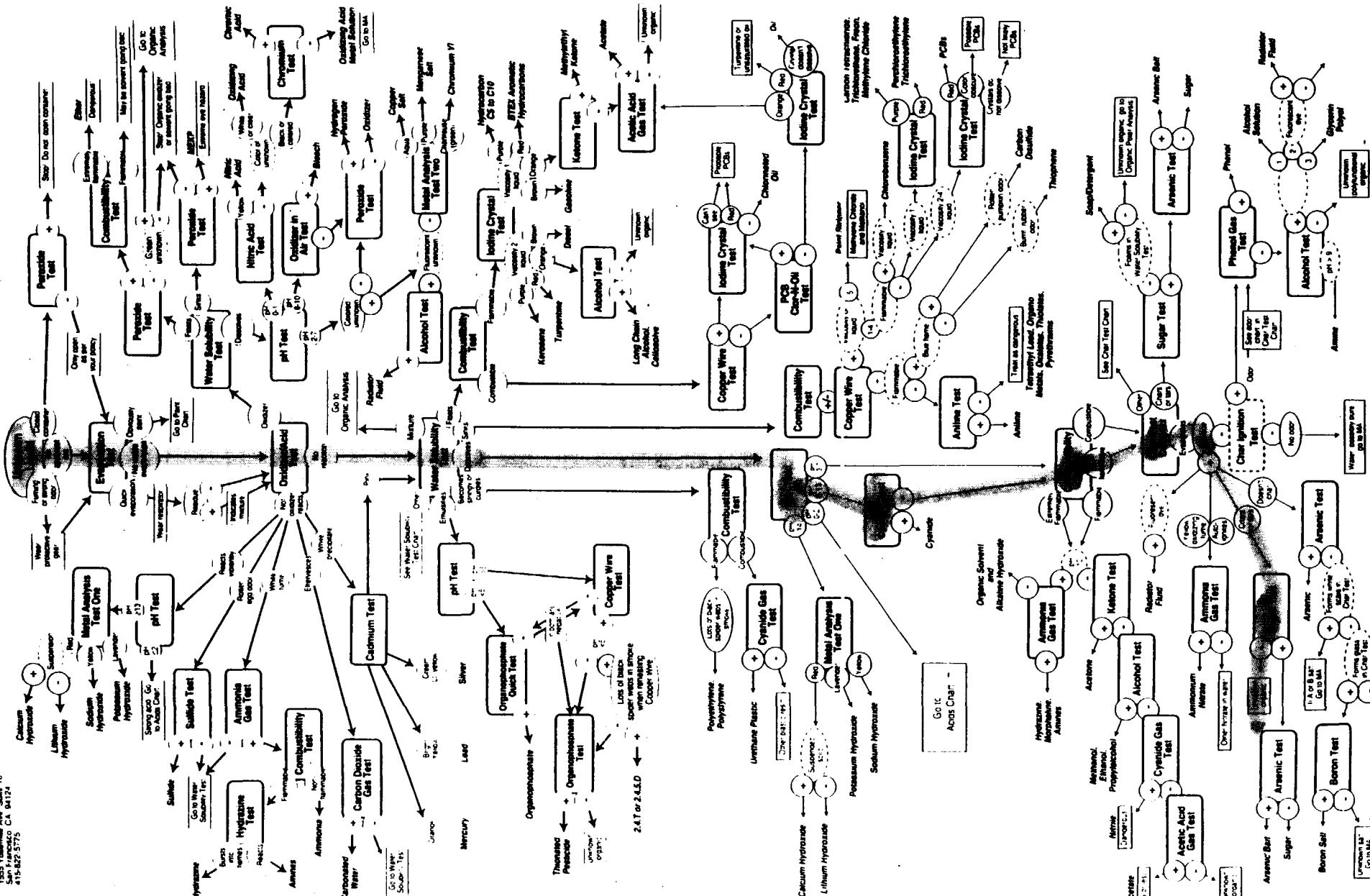
Other: Open manway, Sediment on bottom

3-320g, 2-40me,

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U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: TRIA00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zouwir

Date: 7/13/99

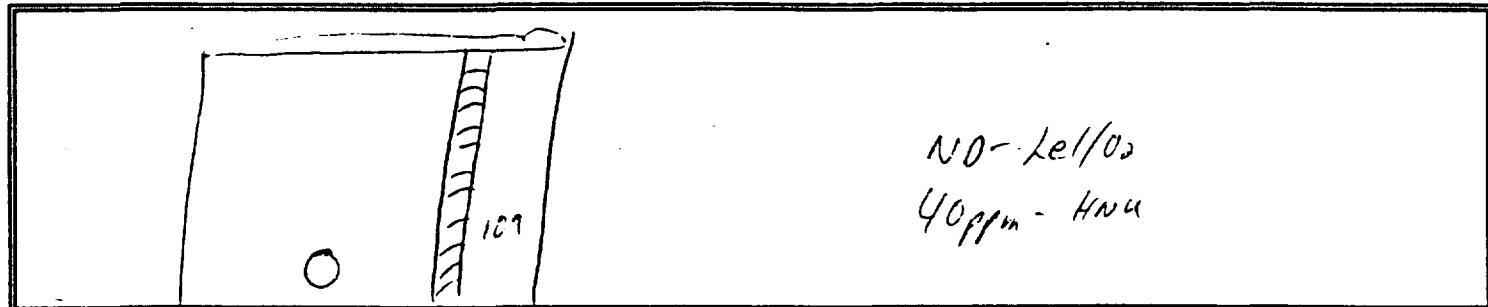
REAC Task Leader: Metz

Drum/Tank #: 109

Approximate Volume: ~1½" liquid, ~½" sediment

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 32' 6" tall, 148' 6½" circ.

3. Label present:  No,  Yes: 109

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

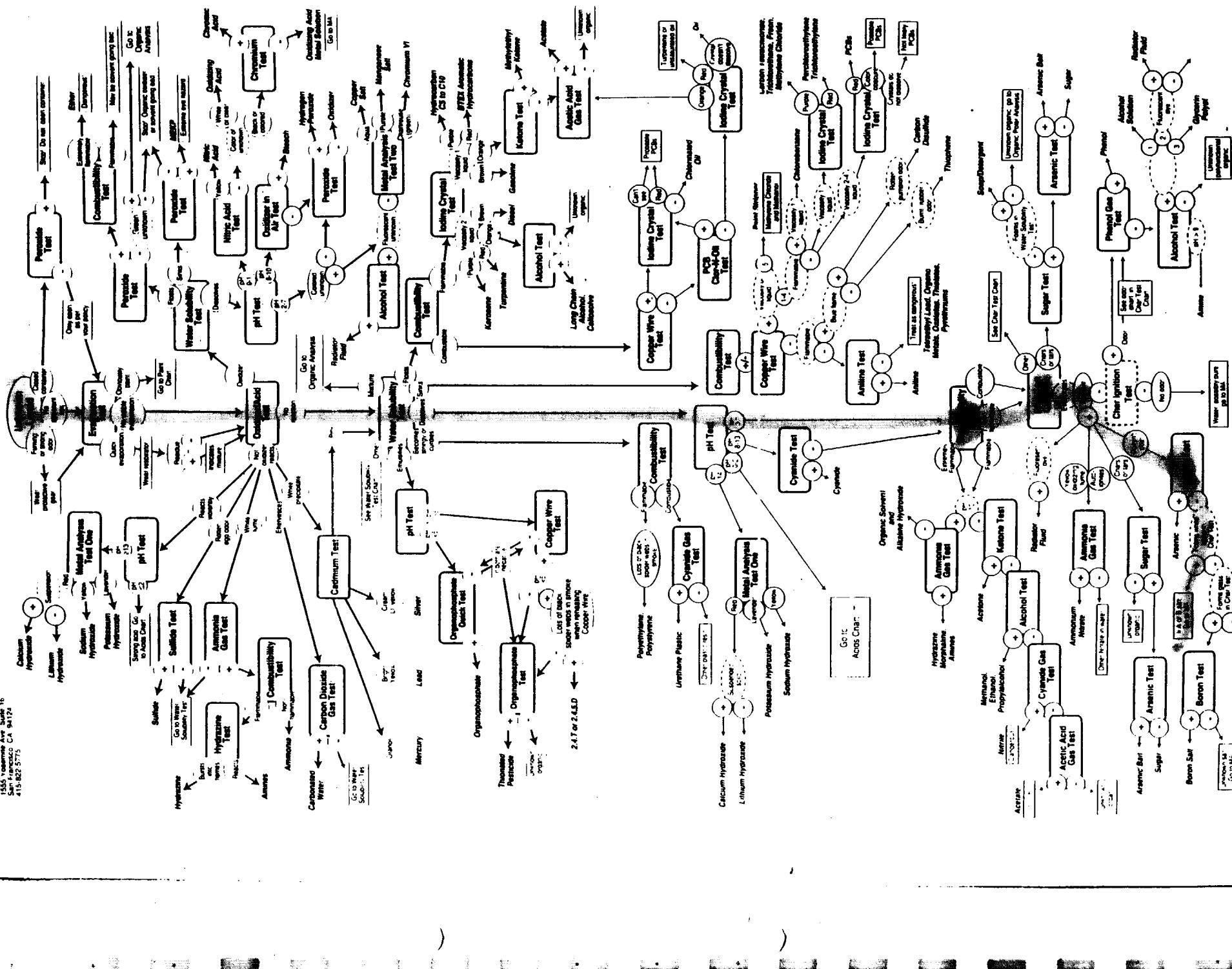
6. Color: Dark yellow, Odor: Organic, Vapors: \_\_\_\_\_

Other: Open manway on bottom 18" opening, 3 - 32 gal 2 gal L,

EIGENVALUES  
CHART

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_ of \_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: 72

Sampler: METZ

U.S. EPA/ERTC WAM: ZOWNIR

Date: 7/13/99

REAC Task Leader: METZ

Drum/Tank #: 110

Approximate Volume: —

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>EMPTY - NO HAZCAT</u>

Sampling Diagram

**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

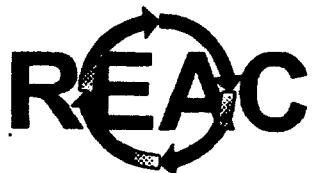
5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: \_\_\_\_\_

Other: \_\_\_\_\_



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: AIA00072

Sampler: Metz, Recring

U.S. EPA/ERTC WAM: 20mnr

Date: 7/13/99

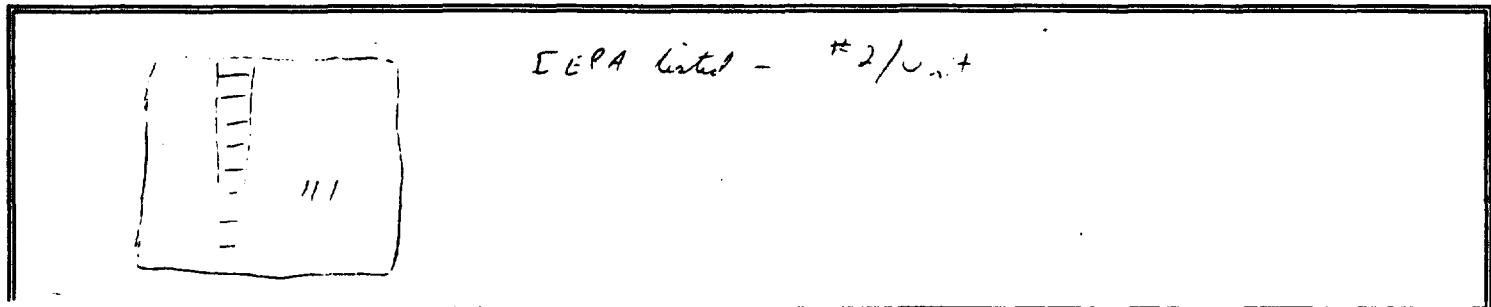
REAC Task Leader: Metz

Drum/Tank #: 111

Approximate Volume: 1-2" liquid, sludge

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 26' tall 115'7" circ, - 50.5 barrels

3. Label present:  No,  Yes: 111

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: musty, rotten egg, Vapors: 190 ppm, LEL N.D.

Other: oily liquid, no breaks in tank

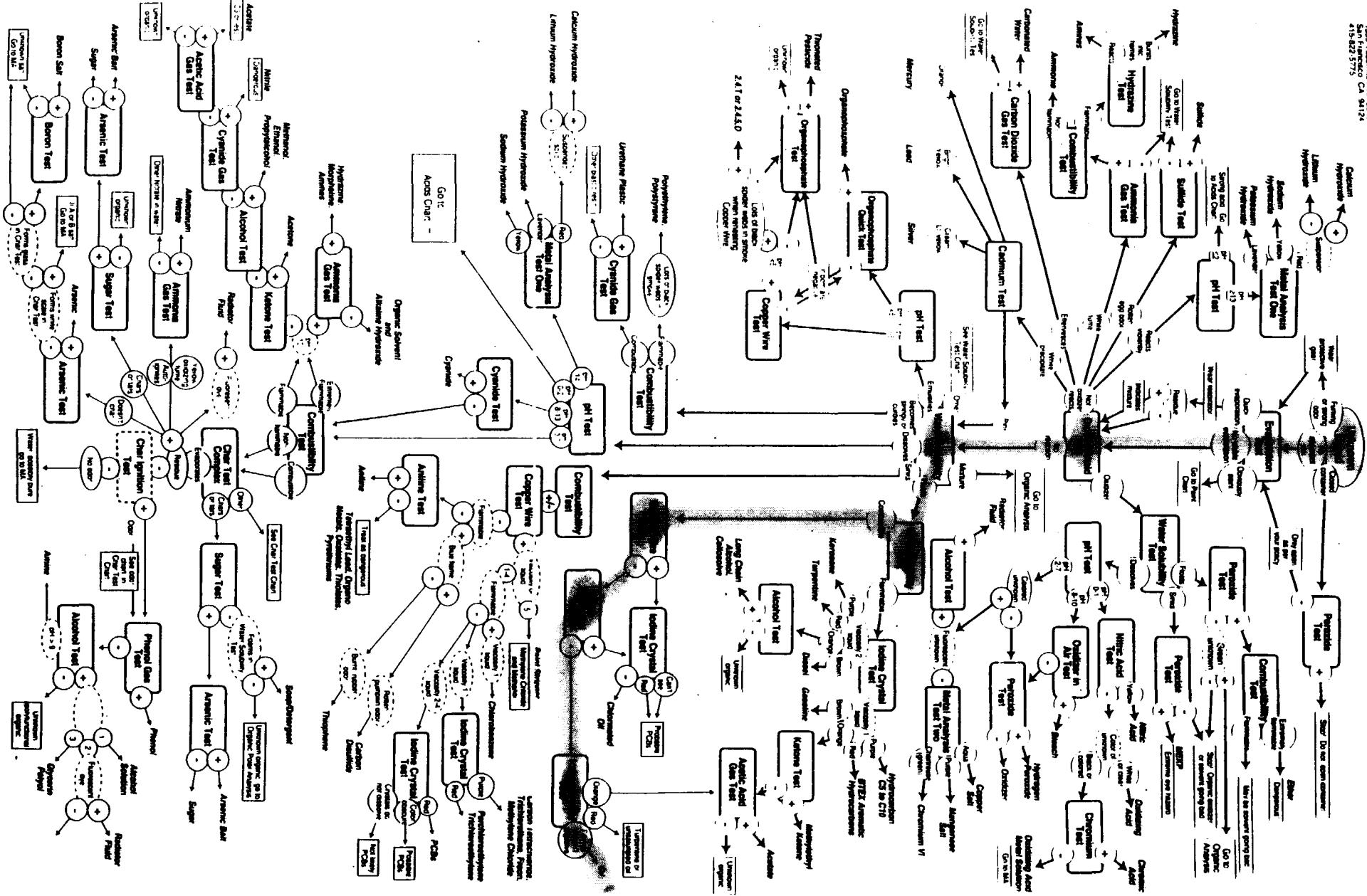
**L I Q U I D S**  
**C H A R T**

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San Francisco  
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U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A0007d

Sampler: McTe, Pereira

U.S. EPA/ERTC WAM: Zouw, n

Date: 7/13/99

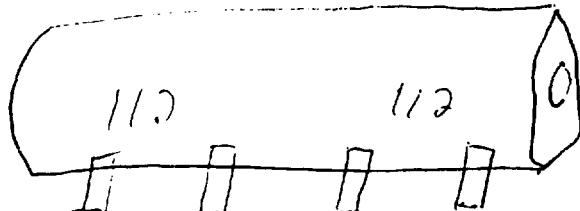
REAC Task Leader: McTe

Drum/Tank #: 112

Approximate Volume: appear empty

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>EMPTY - NO HAZCAT</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: Cylindrical

Approximate size: 52'2" long, 31'10" circ. 1,044 liter caps

3. Label present:  No,  Yes: 112

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: \_\_\_\_\_, Odor: musty-gasoline, Vapors: MW4-Lc40, -ND

Other: no liquid in tank, small amount of scale @ bottom



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: RIA00072

Sampler: McTz, Pereins

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

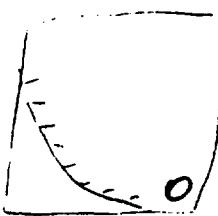
REAC Task Leader: McTz

Drum/Tank #: 113

Approximate Volume: 3" liquid, 3" sludge

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26244	Black liquid/sludge - metal metals
26217	metals PCB
26259	VOC

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 47' 6 1/4" tall, 44' 5 1/8" dia., 6000 barrels

3. Label present:  No,  Yes: 113

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

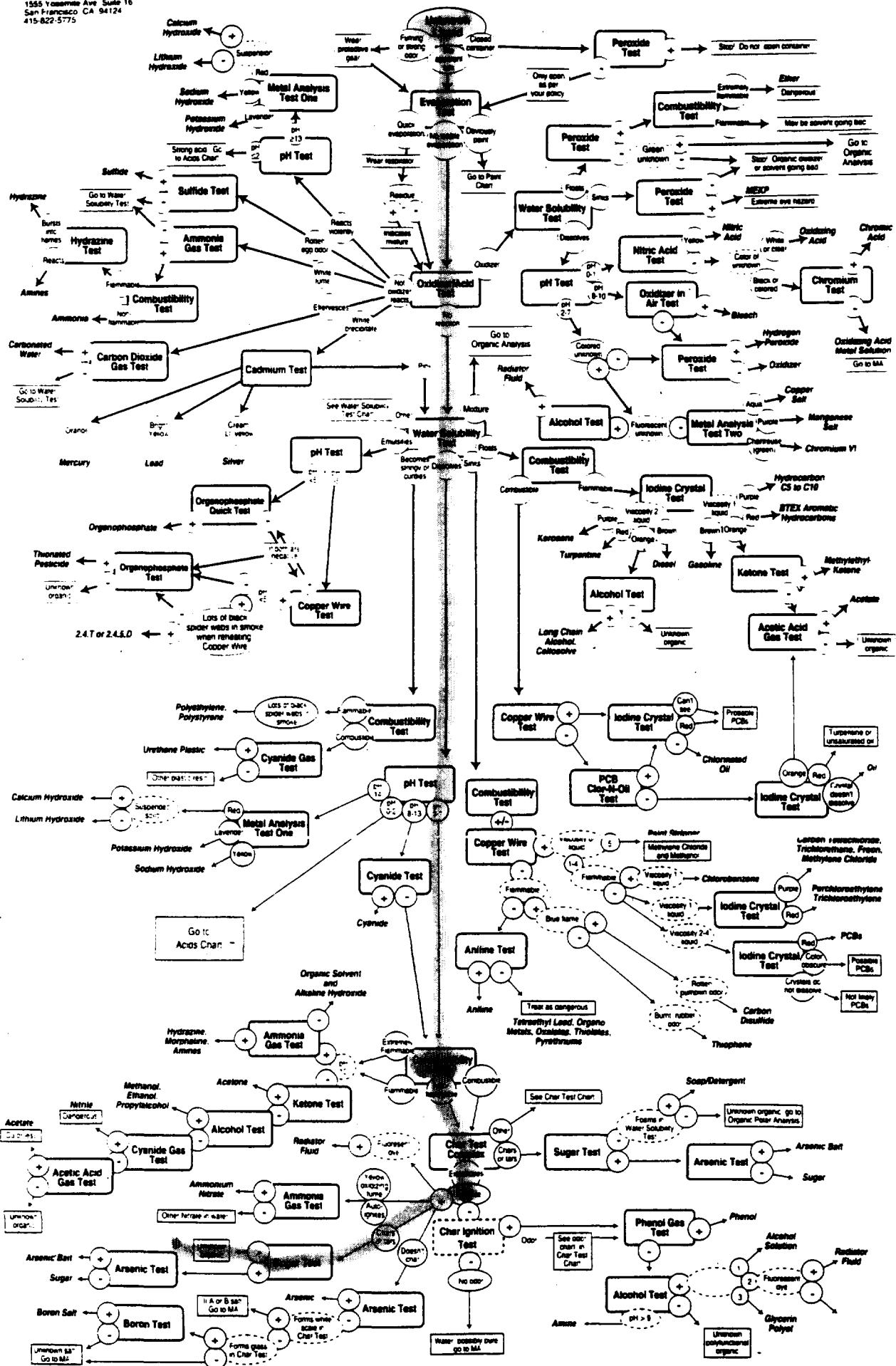
6. Color: black, Odor: savory, ammonia, Vapors: 2 ppm (HNO), LEL ND

Other: 2" liquid, 1" sludge, ICPA initial fertilizer/Kaiser

**LIQUIDS  
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113 NF





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_\_ of \_\_\_\_

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zomn.

Date: 7/15/99

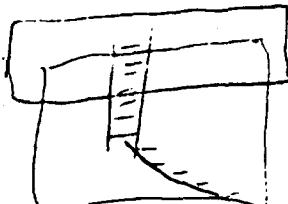
REAC Task Leader: Metz

Drum/Tank #: TSP 115

Approximate Volume: 1 1/2' product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26218	Black Liquid - Putrid PCB
26245	Methyls
26260	VOCs

Sampling Diagram



*- floating roof  
SOPA listed as Hexane*

*(Note: fertilizer has been pumped into the tank)*

**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 80' tall, 110' 3" circ. 15,000 barrels

3. Label present:  No,  Yes: 115

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

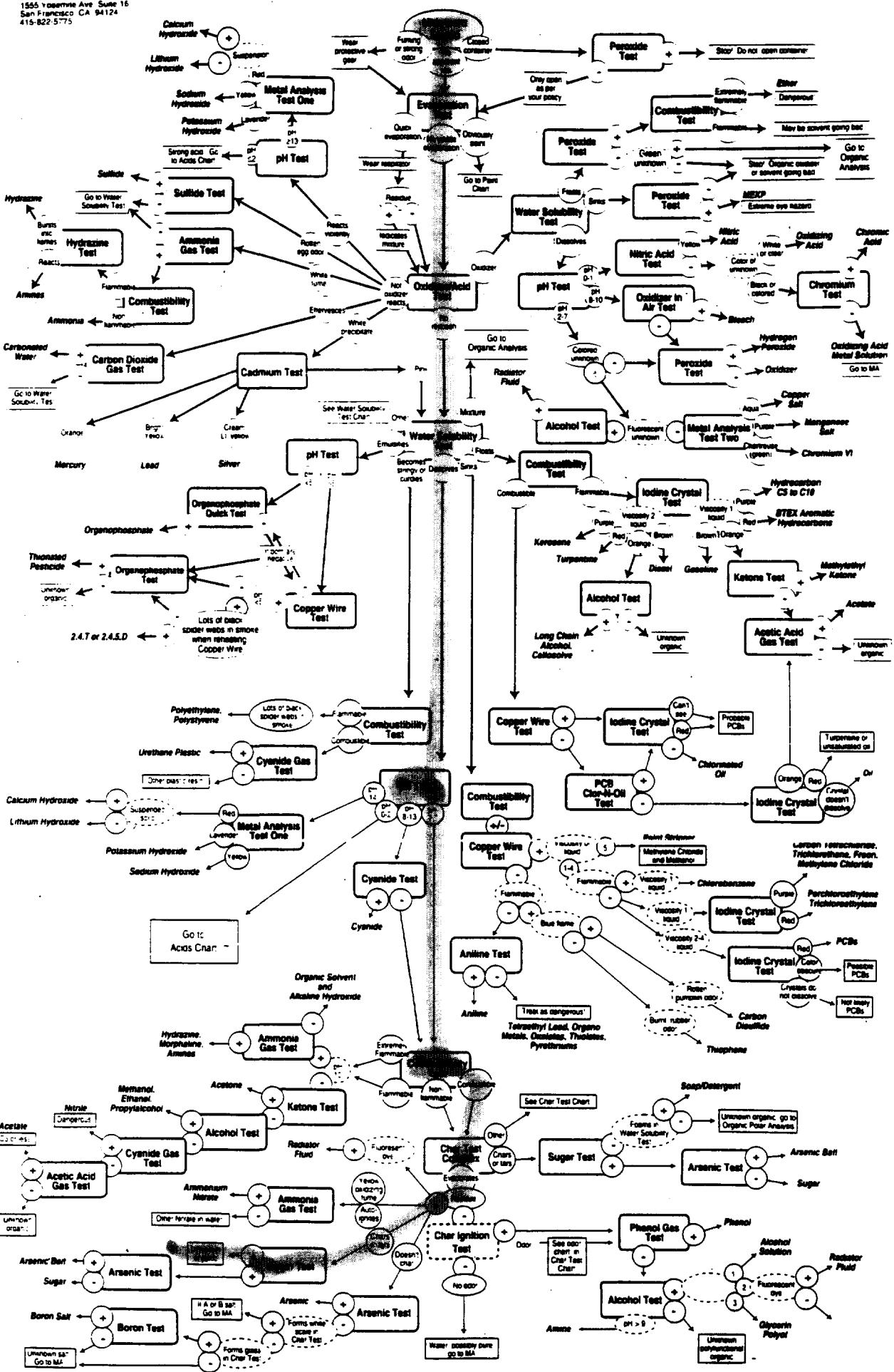
6. Color: dark brown/black, Odor: fishy/green sugar, Vapors: \_\_\_\_\_

Other: top occurs, will collect 730-oz and 2 1/2 ml

Note: The contents of Tank 32 have been pumped into Tank 115

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, B. H.

U.S. EPA/ERTC WAM: Zonair

Date: 7/16/99

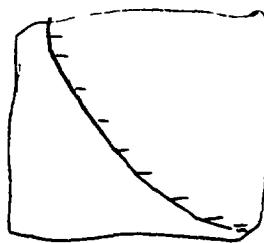
REAC Task Leader: Metz

Drum/Tank #: 116

Approximate Volume: 25' product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26219	Black Liquid - Putrid PCB
26246	metals
26261	VOC's

Sampling Diagram



IGPA listed as Hexane / 1,4 DM

(Note: fertilizer has been pumped into the tank)

**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 5' 8 1/2" tall, 210' 4" wide, 35,000 barrels

3. Label present:  No,  Yes: 116

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

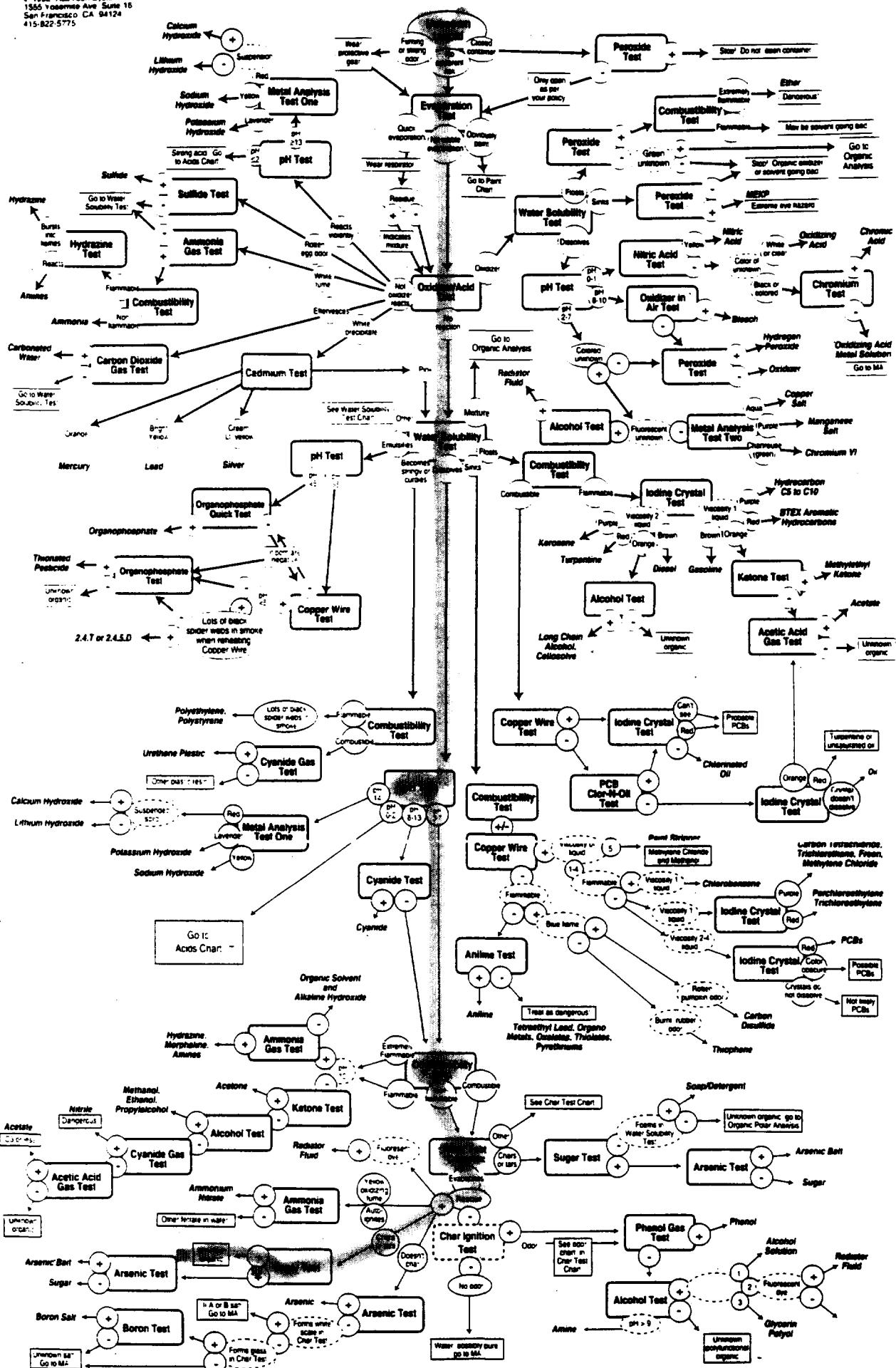
6. Color: dark brown, Odor: fertilizer odor, Vapors: \_\_\_\_\_

Other: top access, tank had some pressure in it, 4 32 oz, 2 40 mL, no layers

**LIQUIDS  
CHART**

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116 NF





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz

U.S. EPA/ERTC WAM: Zomir

Date: 7/15/99

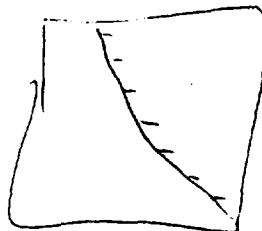
REAC Task Leader: Metz

Drum/Tank #: 117

Approximate Volume: 4-6" liquid (even w/water pooled outside tank)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26220	Black Liquid - PCB
26247	<del>Metals</del>
26262	VOC's

Sampling Diagram



LEPA listed as #31ADM

AMPLE INFORMATION:

1. Container type: Drum, Tank, Other: \_\_\_\_\_

Container dimensions: Shape: cylindrical

Approximate size: 10' 10 1/2" tall, 20' 9 1/2" circ., 15'000 barrels

3. Label present: No,  Yes: 117

4. Spill or Leak present: No,  Yes, Dimensions: 400' x 100'

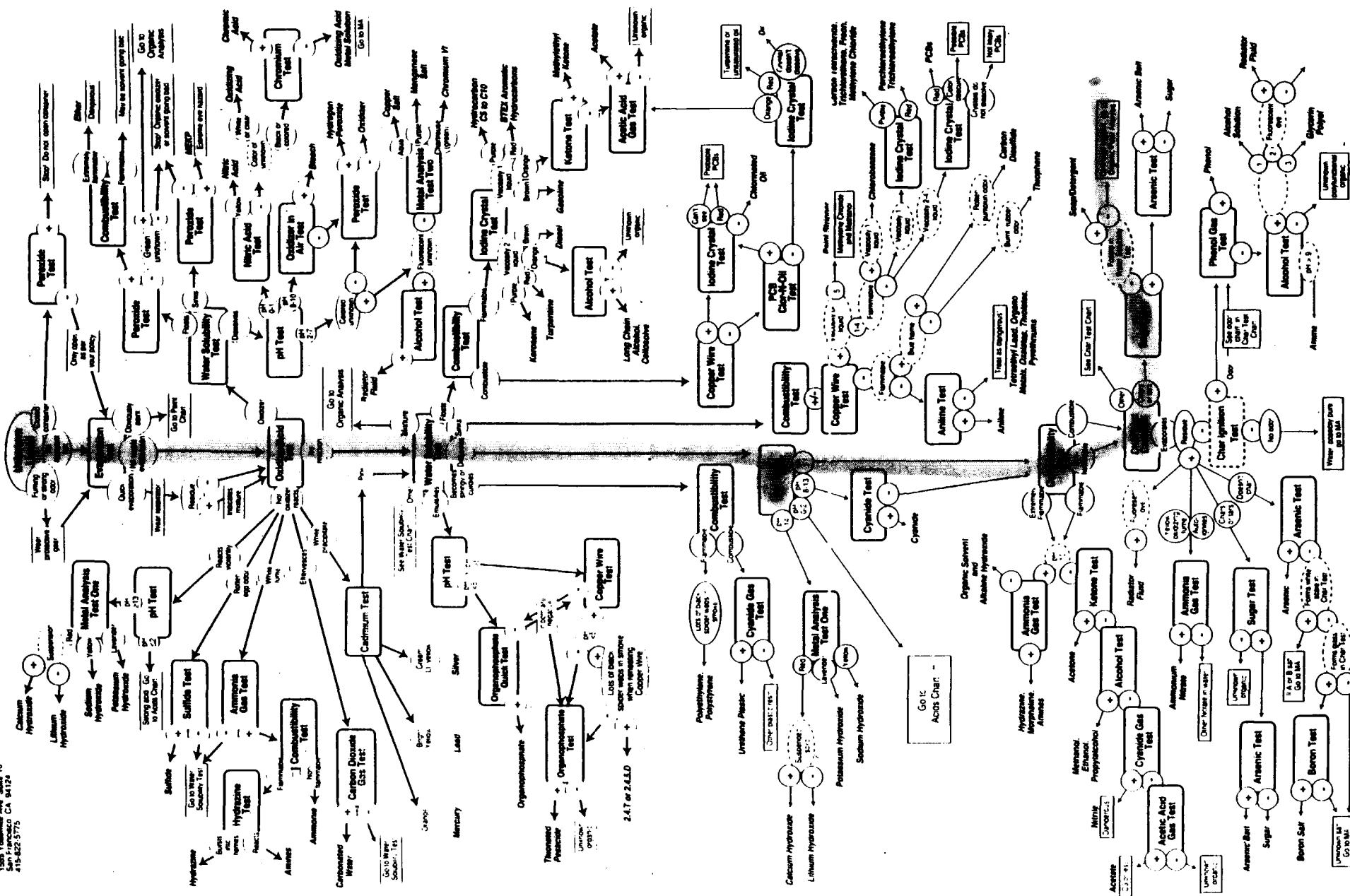
5. Description:  liquid, solid (powder or crystals), sludge

Color: brownish black, Odor: fertilizer, Vapors: \_\_\_\_\_

Other: access the through top. Level in tank is level w/ ground area around tank  
collect 4 32-oz jars and 2 40-ml

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San Francisco CA 94126  
415-422-5775



**U.S. EPA/Environmental Response Team Center**  
**Response Engineering Analytical Contract**  
**Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
 EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zornir

Date: 7/15/99

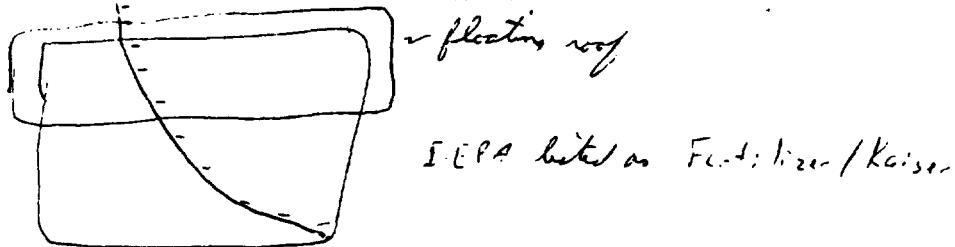
REAC Task Leader: Metz

Drum/Tank #: 118

Approximate Volume: 1/2 product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26221	Black Liquid-Putrid -PCB
26248	Greens
26263	VOC

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 210' x 12'2" dia. 15,000 bbl

3. Label present: No, Yes: 118

4. Spill or Leak present: ✓ No, Yes, Dimensions: \_\_\_\_\_

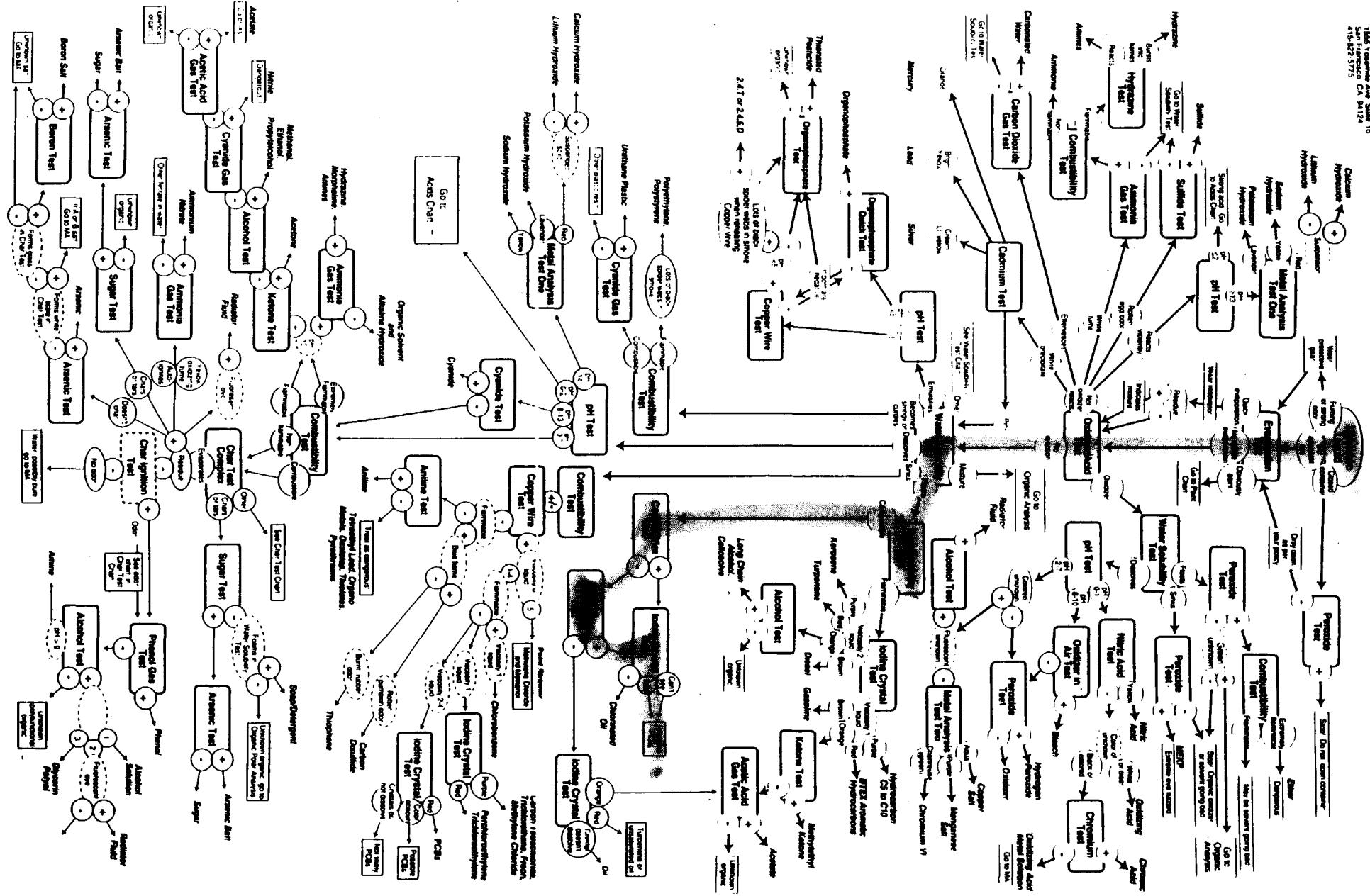
5. Description: liquid, solid (powder or crystals), sludge

6. Color: brownish black, Odor: -, Vapors: \_\_\_\_\_

7. Other: very thick, collect 3 32-oz and 2 40-ml

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C H A R T**

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A0007J

Sampler: Metz

U.S. EPA/ERTC WAM: Zornir

Date: 7/15/95

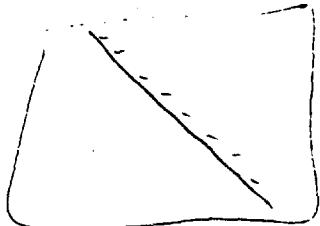
REAC Task Leader: Metz

Drum/Tank #: 114

Approximate Volume: 10' product (no oil)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26222	Putrid Black Liquid - PCB
26249	Metals
26264	VOC's

**Sampling Diagram**



*IEPA listed as Crude*

**AMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: trapezoid

Approximate size: 40' x 8' tall, x 10' 4" wide, 25,000 barrel

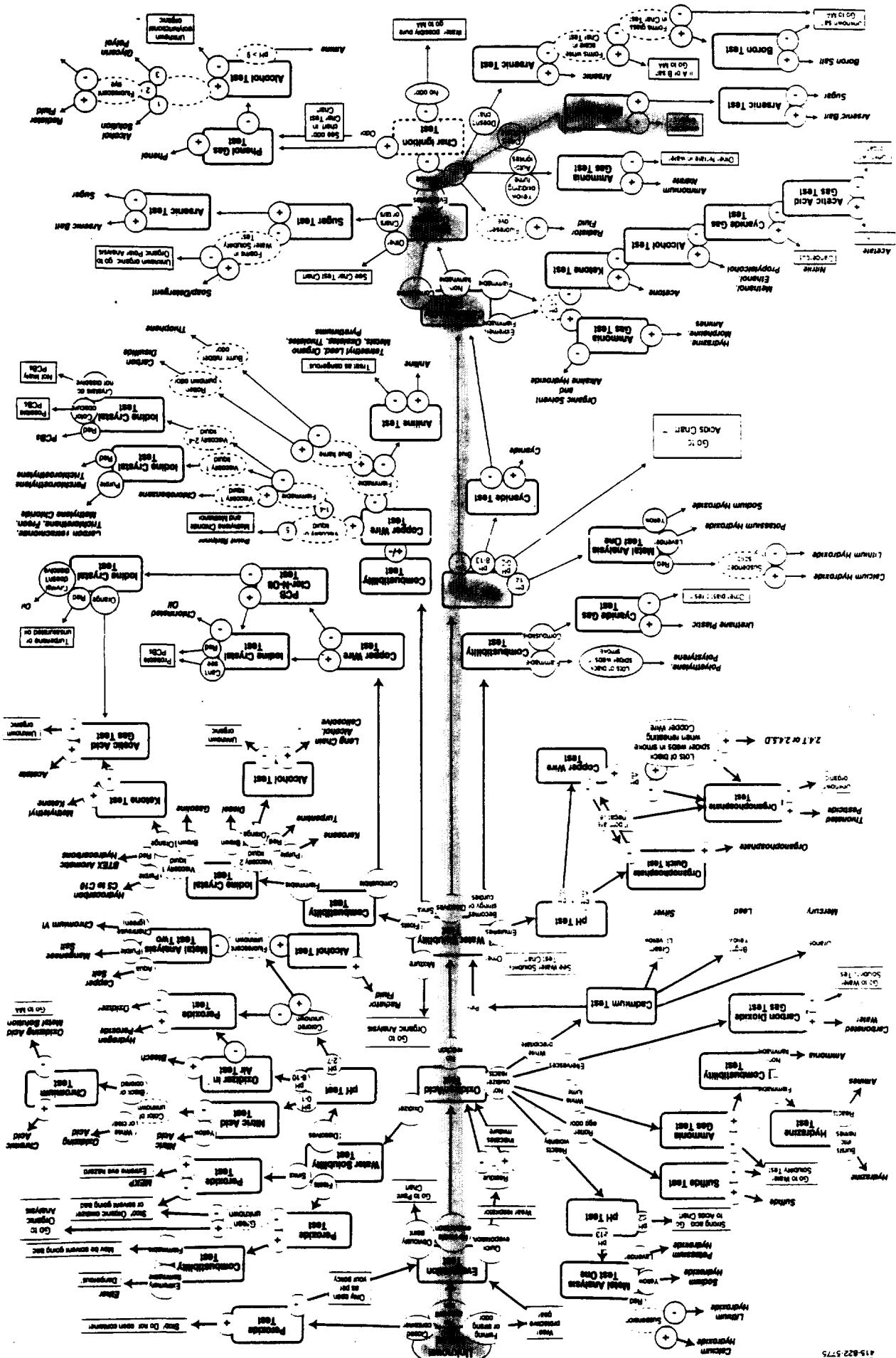
3. Label present: No,  Yes: 114

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: reddish brown, Odor: -, Vapors: \_\_\_\_\_

Other: 4 32-oz, 2 40-ml, access through top





U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: South Central Technical (SCT)

WA#: RIA00072

Sampler: Metz, Percina

U.S. EPA/ERTC WAM: Zonvir

Date: 7/12/99

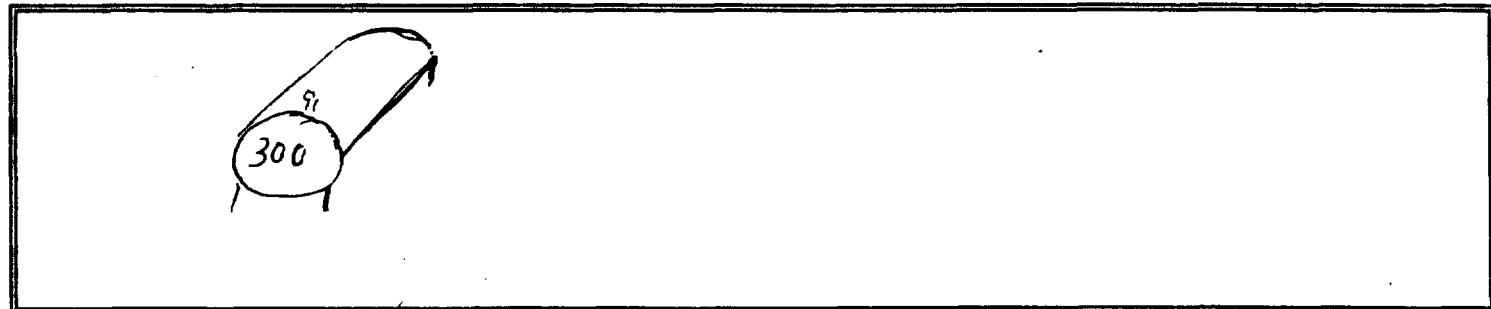
REAC Task Leader: Metz

Drum/Tank #: 300

Approximate Volume: 1/3 full, 15" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26000	<del>PCB/Pest</del>
25001	<del>PAK</del>
25002	<del>Metals</del>
25003	<del>VOC</del>
25004	<del>HAZCAT</del>
25005	<del>BTU</del>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: Horizontal tank

Approximate size: 10' long. 4' dia.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: diesel fuel/oil, Odor: yes, Vapors: Huu - 20 ppm,

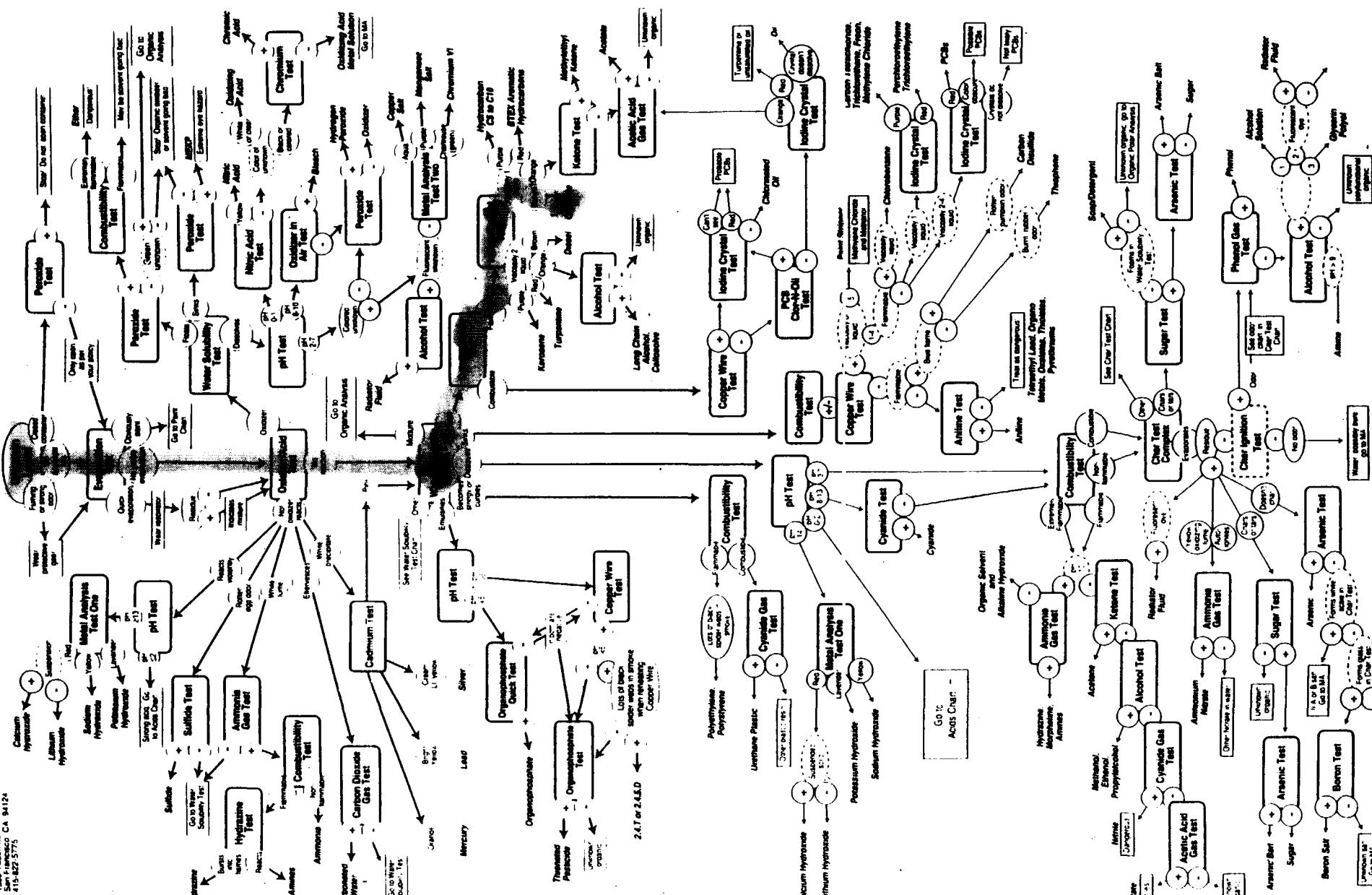
Other: Lev/O - ND

**L I Q U I D S**

**Light**  
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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: O-072

Sampler: McTe, Percina

U.S. EPA/ERTC WAM: Tsunie

Date: 7/12/99

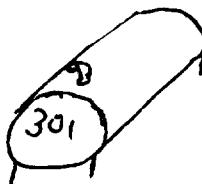
REAC Task Leader: McTe

Drum/Tank #: 301

Approximate Volume: 9" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
25006	PCB/PCST
25007	PAH
25008	Metals
25009	VOC
25010	HAZCAT
25011	DT4

Sampling Diagram



**SAMPLE INFORMATION:**

HORIZONTAL

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: HORIZONTAL

Approximate size: 12' LONG  
4' DIA

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge SEDIMENT ON BOTTOM

6. Color: diesel fuel / oil, Odor: yes, Vapors: 400 - 800 ppm

Other: L1/OJ NO





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: 0-072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zownir

Date: 7-12-99

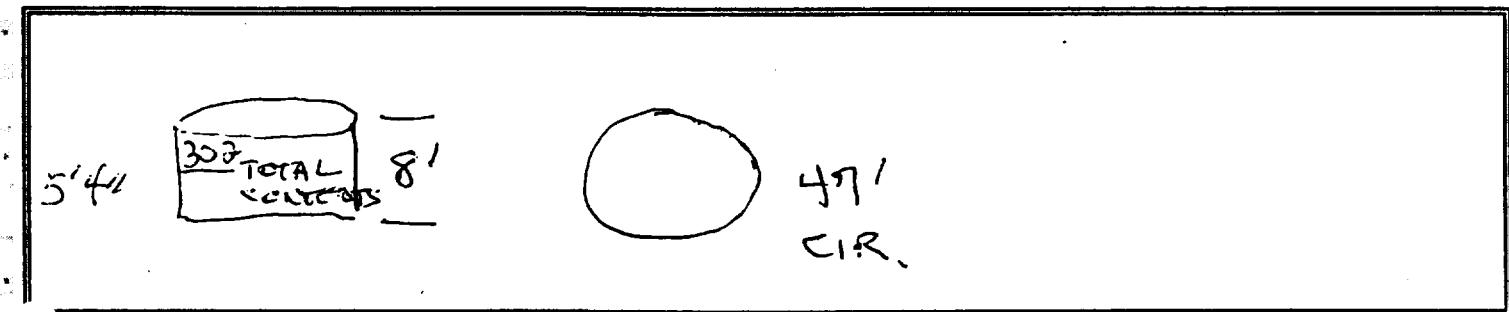
REAC Task Leader: MIKE METZ

Drum/Tank #: 302

Approximate Volume: 5' 4" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
25012	Pest/PCB
25013	PAH
25014	Metals
25015	VOC
25016	HAZCAT
25017	BTU

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

Two layers  
water/sludge

2. Container dimensions: Shape: CIRCULAR

Approximate size: 8' 1" height x 47' CIR.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: BLACK, oil, Odor: yes, Vapors: 30 ppm HN4

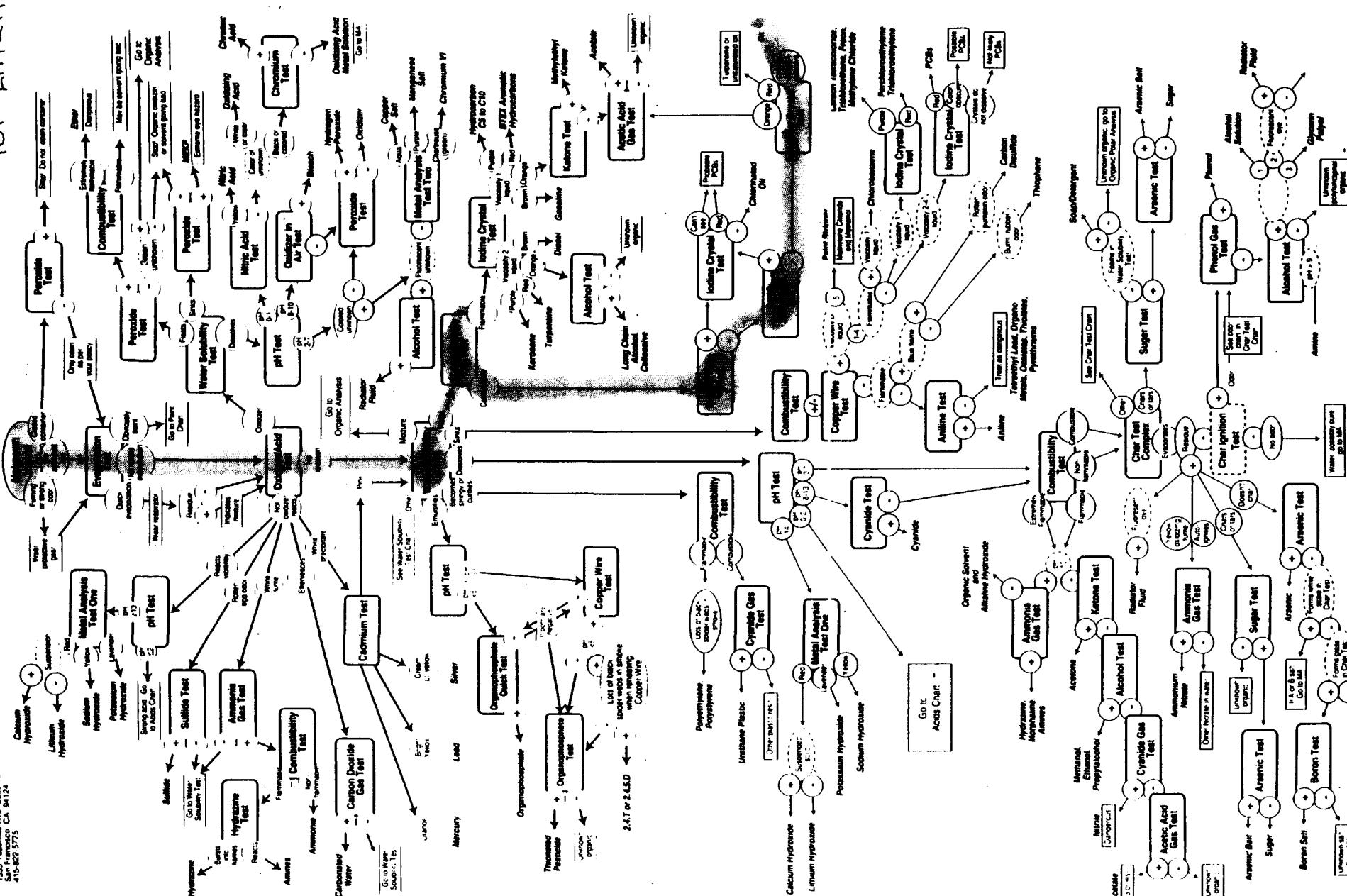
Other: \_\_\_\_\_

LEL ND

L I Q U I D S  
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302 NF  
TOP LAYER



# **LIQUIDS CHART**

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302 NF  
BOTTOM LAYER



age \_\_\_\_\_

**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: BIA00072

Sampler: McTe, Pereira

U.S. EPA/ERTC WAM: Zounir

Date: 7/12/99

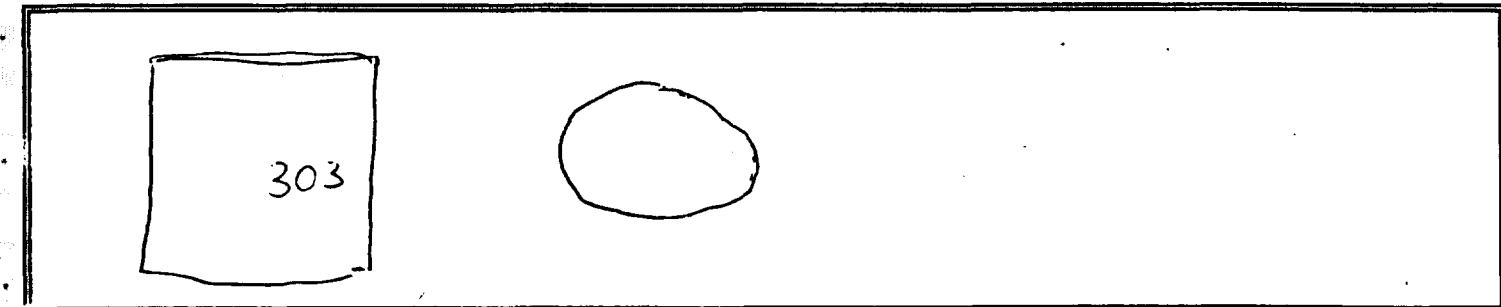
REAC Task Leader: McTe

Drum/Tank #: 303

Approximate Volume: approx. 1"

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>EMPTY - NO HAZCAT</u>

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: Cylindrical

Approximate size: 10 ft tall, 27' circumference

3. Label present:  No, Yes: \_\_\_\_\_

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (powder or crystals), sludge

6. Color: gray/tan, Odor: no smell, Vapors: HNU-1 ppm, LEL/LO-NO

Other: No sample possible, 1" material(water?) @ bottom, water tank



U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page \_\_\_\_ of \_\_\_\_  
**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: RIA00072

Sampler: McTe

U.S. EPA/ERTC WAM: Zownik

Date: 7/10/99

REAC Task Leader: McTe

Drum/Tank #: 304

Approximate Volume: 40" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
25018	<del>PCB</del> 26223 <del>PCB</del>
25019	<del>PCB</del>
25020	<del>Metals</del> 26251 <del>Metals</del>
25021	<del>VOC</del> 26266 <del>VOC</del>
25022	<del>Hazard</del>
25023	<del>B74</del>

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 6' wide, 35' long

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: oily gasoline, Odor: gasoline, Vapors: HNH - 200 ppm, Let - 100%

Other: Sediment on bottom, oily,





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_\_ of \_\_\_\_



Site: SCT

WAA# D-572

**Sampler:** \_\_\_\_\_

U.S. EPA/ERTC WAM: 2000

Date: 7/16/99

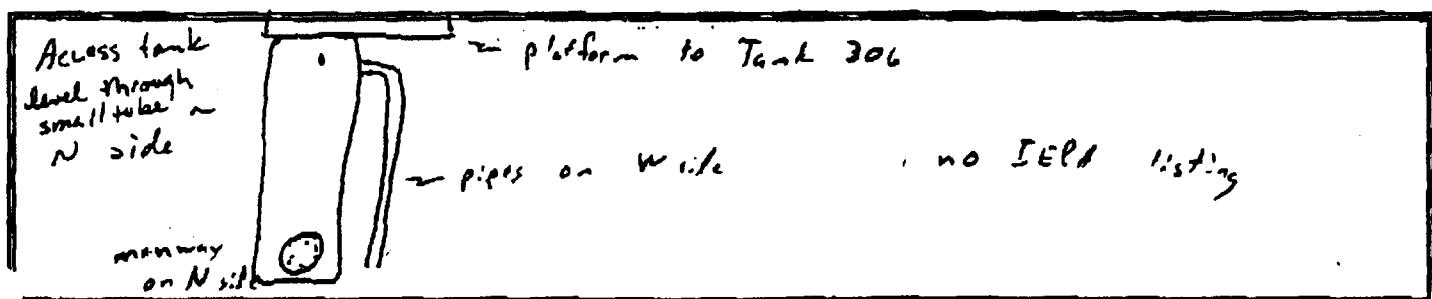
REAC Task Leader: METZ

Drum/Tank #: 305

**Approximate Volume:**

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

## **Sampling Diagram**



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical Approximate size: 18" x 15' 10"  
15" tall. 1/4" of product.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: grey/brown, Odor: \_\_\_\_\_, Vapors: SEE BACK

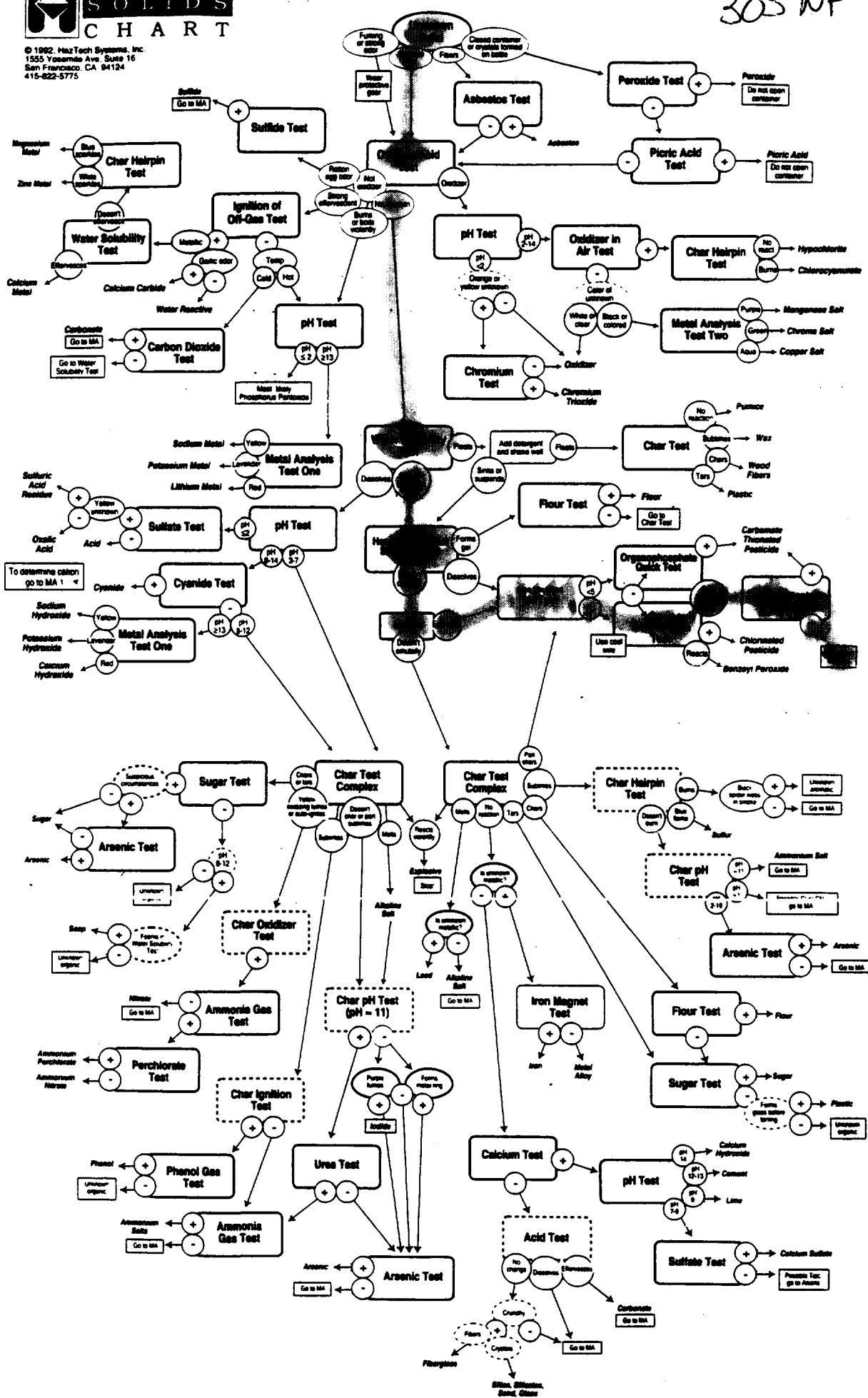
Other: \* Readings on back of sheet will open and sample in Level B  
Opened tank. VOCs dissipated  
from tank opening was at background  
Tank opened through doorway ~ 40'

1 32oz Sample  
jar collected  
suspected to contain  
activated carbon (P)  
Crank identical to  
tank #  
306  
in appearance

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_\_\_ of \_\_\_\_\_  
**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: 0-072

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zonar

Date: 7-16-99

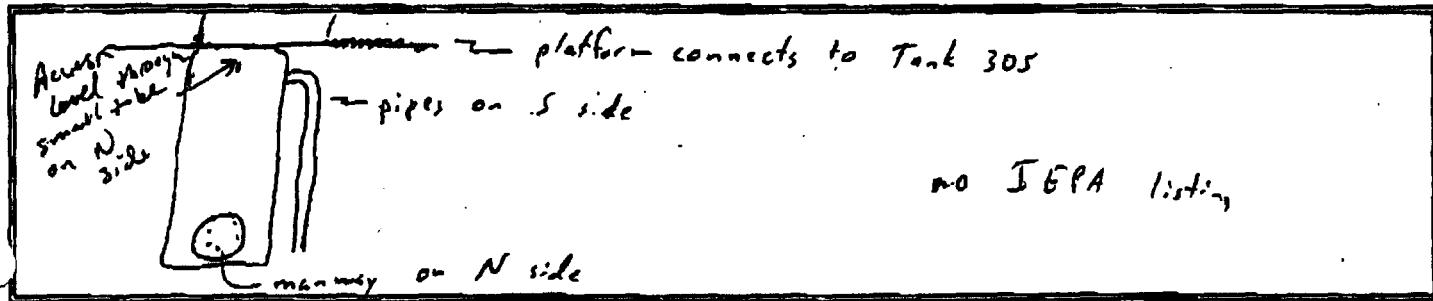
REAC Task Leader: MET

Drum/Tank #: 306

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>NO SAMPLE</u>
	<u>SIMILAR TO 305</u>

**Sampling Diagram**



**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: gibrical

Approximate size: 18' tall 14' 8" of product

<sup>(P)</sup>  
Tank suspected  
to contain  
catalyzed carbon  
or filtration

3. Label present:  No, Yes: \_\_\_\_\_

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

Identical to tank  
305  
in appearance

5. Description: liquid,  solid (powder or crystals), sludge

6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: See back

Other: will sample in Level B



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00073

Sampler: Luyiana

U.S. EPA/ERTC WAM: 2000-1

Date: 7/16/99

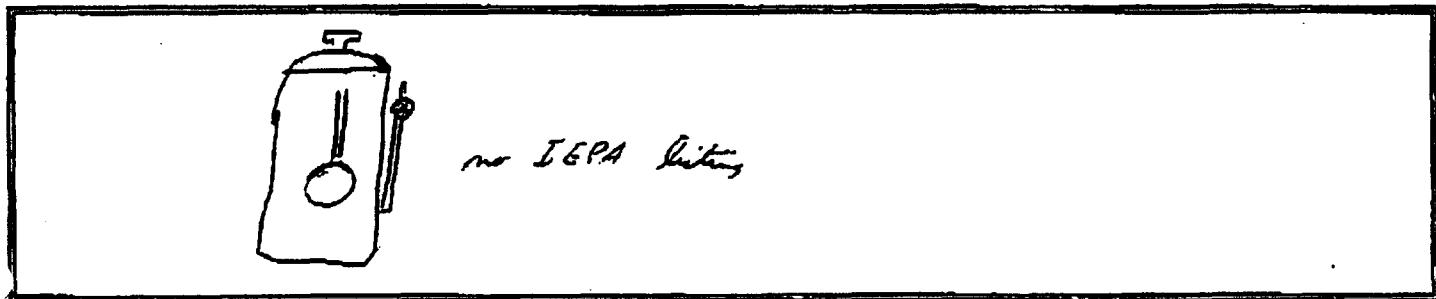
REAC Task Leader: M. T. Z.

Drum/Tank #: 307

Approximate Volume: ~ 3/4 full

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

*Identical in appearance  
to tank #303*

2. Container dimensions: Shape: cylindrical

Approximate size: \_\_\_\_\_

3. Label present:  No.  Yes: \_\_\_\_\_

4. Spill or Leak present:  No.  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

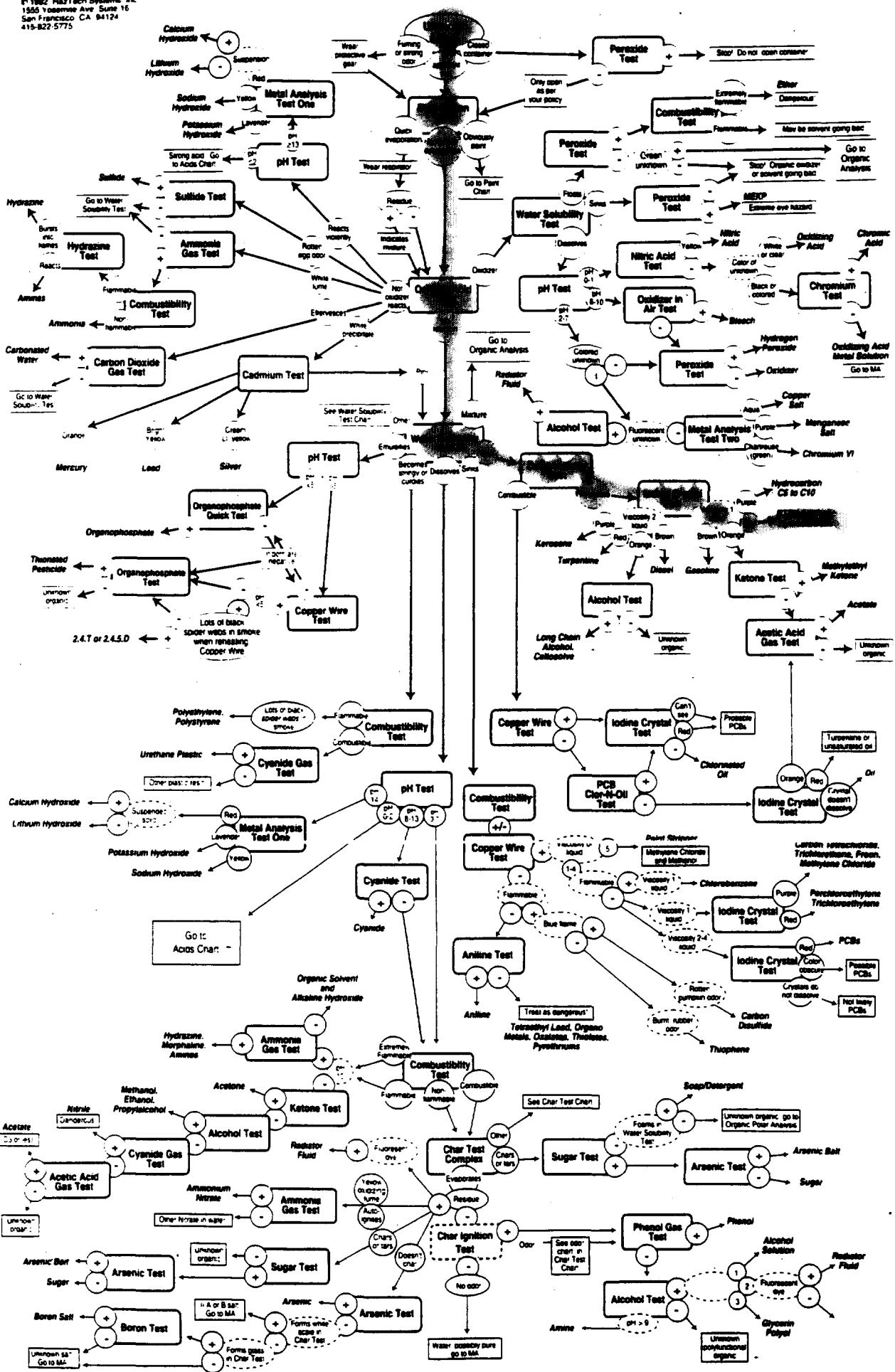
6. Color: clear, brownish red, Odor: sweet, Vapors: max. at micro tip

Other: 2 30-oz, 1 16-oz, small gate valve on right gage

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307 F





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WAM: R1A0007J

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Fowler

Date: 7/16/99

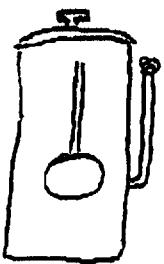
REAC Task Leader: Matz

Drum/Tank #: 303

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>NO SAMPLE</u>
	<u>SIMILAR TO TANK 307</u>

Sampling Diagram



*no DETA listing*

**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_
  2. Container dimensions: Shape: cylindrical  
Approximate size: \_\_\_\_\_
  3. Label present:  No,  Yes: \_\_\_\_\_
  4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_
  5. Description:  liquid,  solid ( powder or  crystals),  sludge
  6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: \_\_\_\_\_
- Other: \_\_\_\_\_



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zoumar

Date: 7/14/99

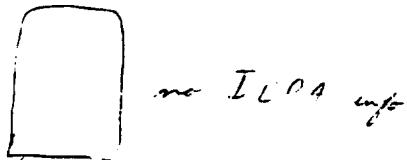
REAC Task Leader: Metz

Drum/Tank #: 309

Approximate Volume: <1 cu' oily residue

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 16' tall, 18' diam. 9' diameter, 28' circ.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

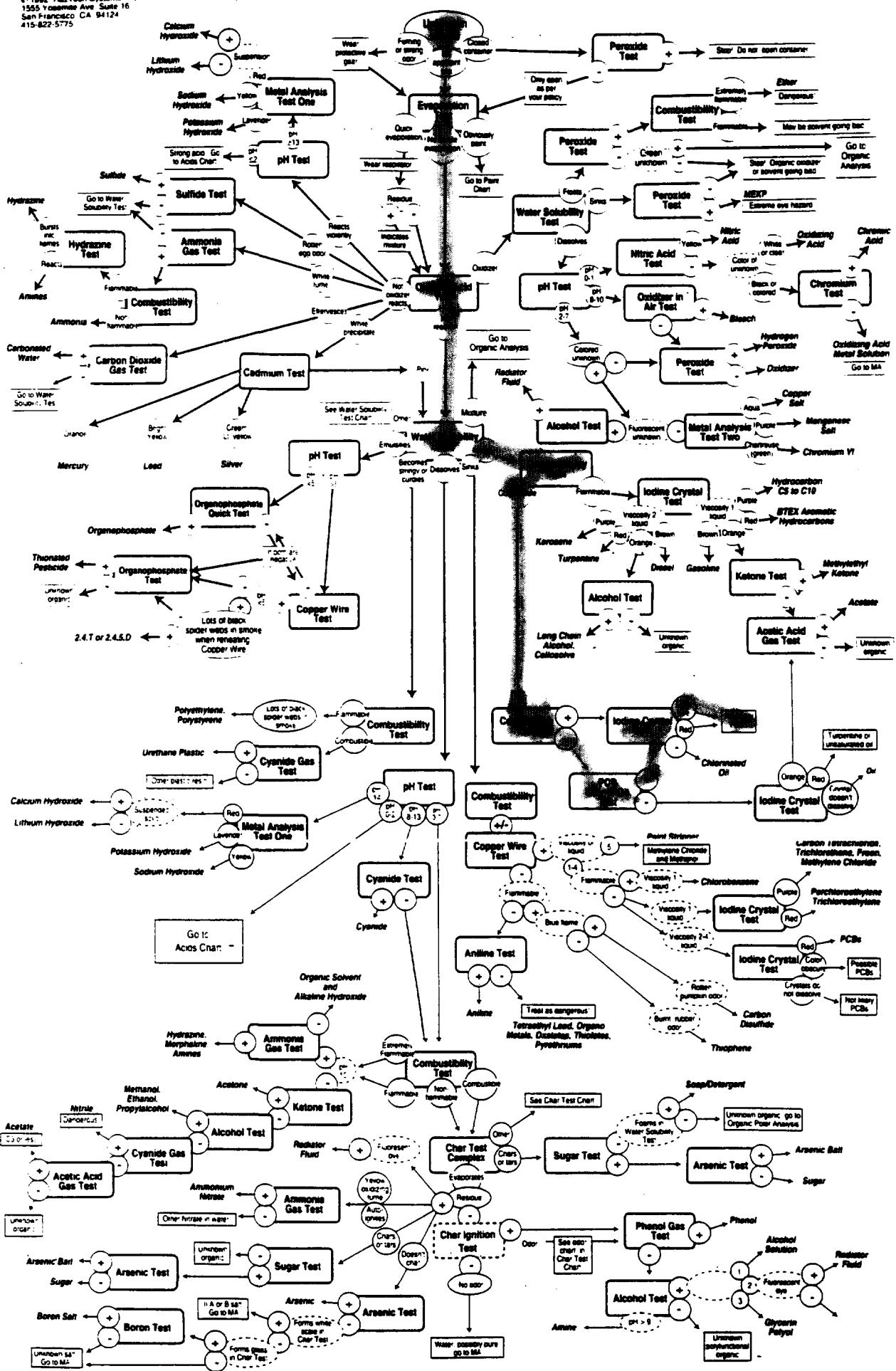
6. Color: black, Odor: \_\_\_\_\_, Vapors: PID 70 ppm, CCL<sub>4</sub>, ND

Other: no hatch, open hatch on top, too little product to sample

# **HAZUAR LIQUIDS CHART**

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00070

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zon - 1

Date: 7/14/95

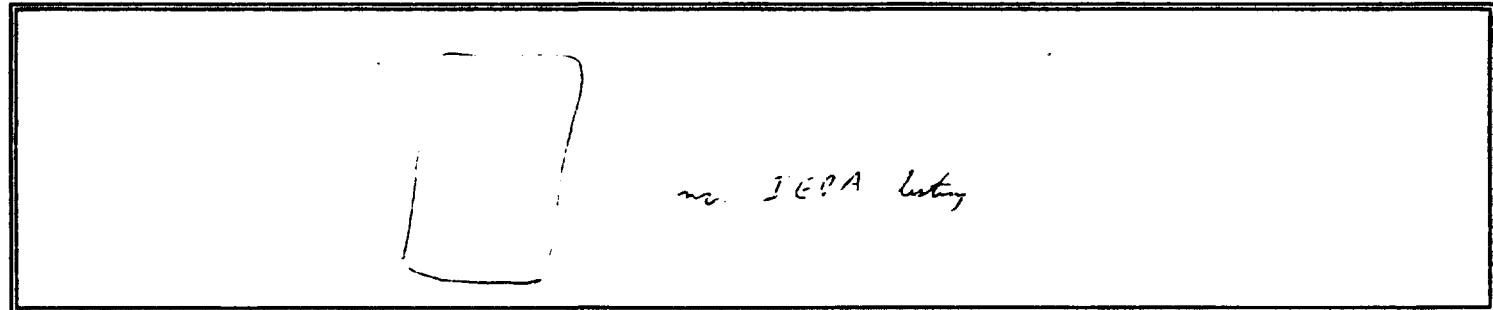
REAC Task Leader: Mcfz

Drum/Tank #: 310

Approximate Volume: ~ 1-2" tank liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

**Sampling Diagram**



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 10.4' diam, 18' tall

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: 30' x 30'

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: -, Vapors: R10 Open

Other: sample collected from spill black oil liquid/tar (100% pure)

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 0007

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zowni

Date: 7/14/99

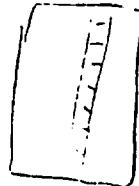
REAC Task Leader: Metz

Drum/Tank #: 31

Approximate Volume: 9' product (~6" column height)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26225	<u>Black Oil - PCB</u>

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 3'6" tall, 10' diamet.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

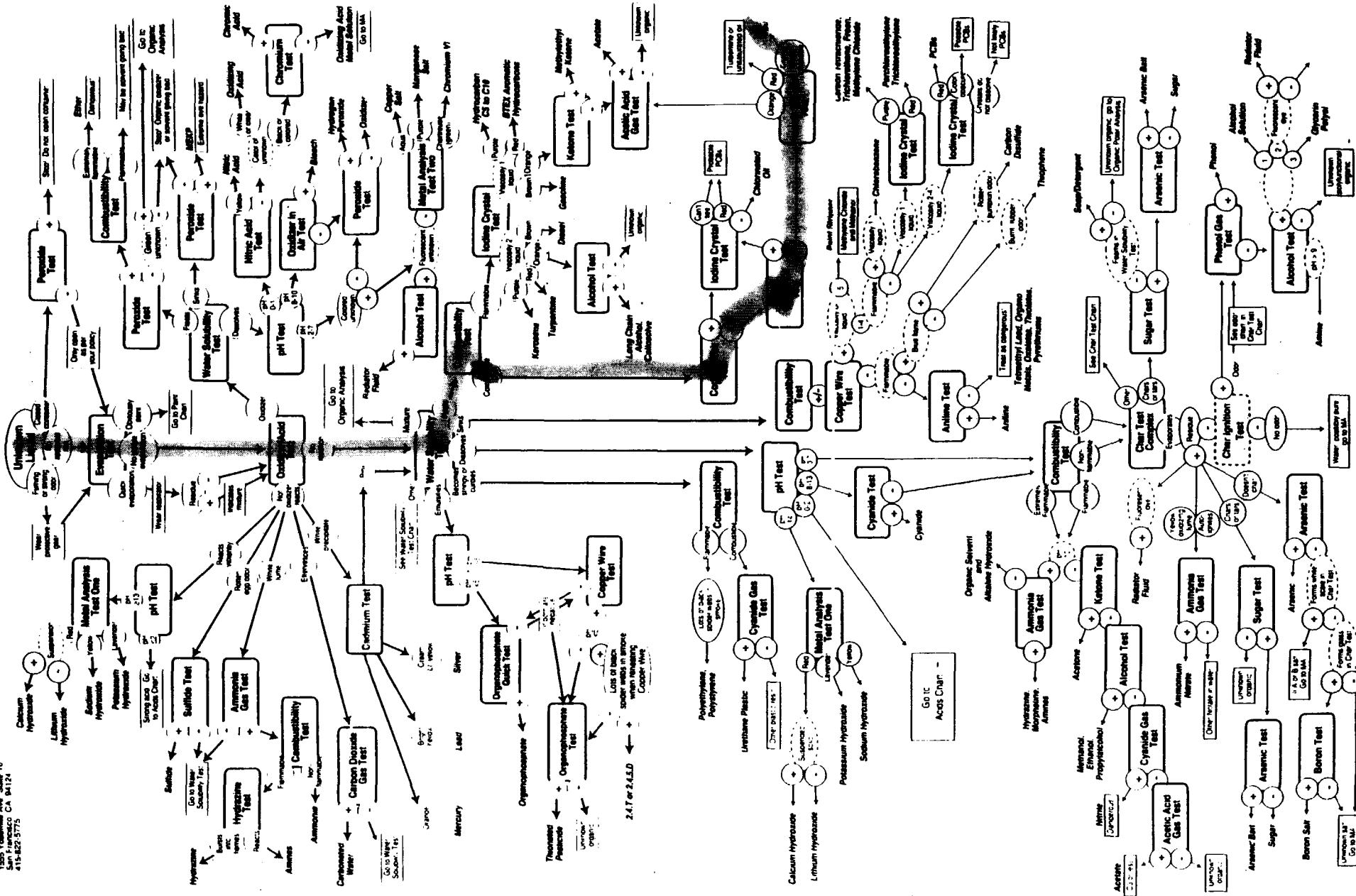
6. Color: black, Odor: petroleum, Vapors: \_\_\_\_\_

Other: no breaker, access through top (3 32-oz, 1 40-mL)

**H A Z U R D S  
L I Q U I D S  
C H A R T**

45  
11  
3

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

The logo consists of the letters "REAC" in a bold, sans-serif font. An arrow starts from the top of the "R" and curves around to point to the "A".

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R190007d

Sampler: Metz, Perriap

U.S. EPA/ERTC WAM: Zonni

Date: 7/14/99

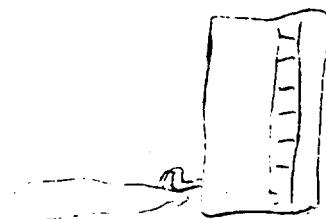
REAC Task Leader: Metz

Drum/Tank #: 312

Approximate Volume: +1<sup>1</sup>/<sub>2</sub>"<sup>6</sup>"  
7" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 13' tall, 10' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: 8' x 30' (on land)

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: petroleum, Vapors: open

Other: leak from bottom east side pipe to a lagom, access through top. (1 3/4")

CHART  
EQUIDS

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U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Metz, Parsons

U.S. EPA/ERTC WAM: Zownir

Date: 7/14/99

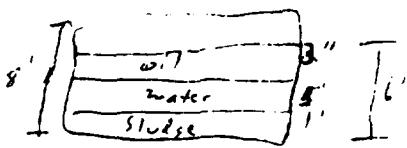
REAC Task Leader: Metz

Drum/Tank #: 34 312

Approximate Volume: 6' product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26226	Black oily - Toplayer (2") - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 8' tall, 12' diam.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

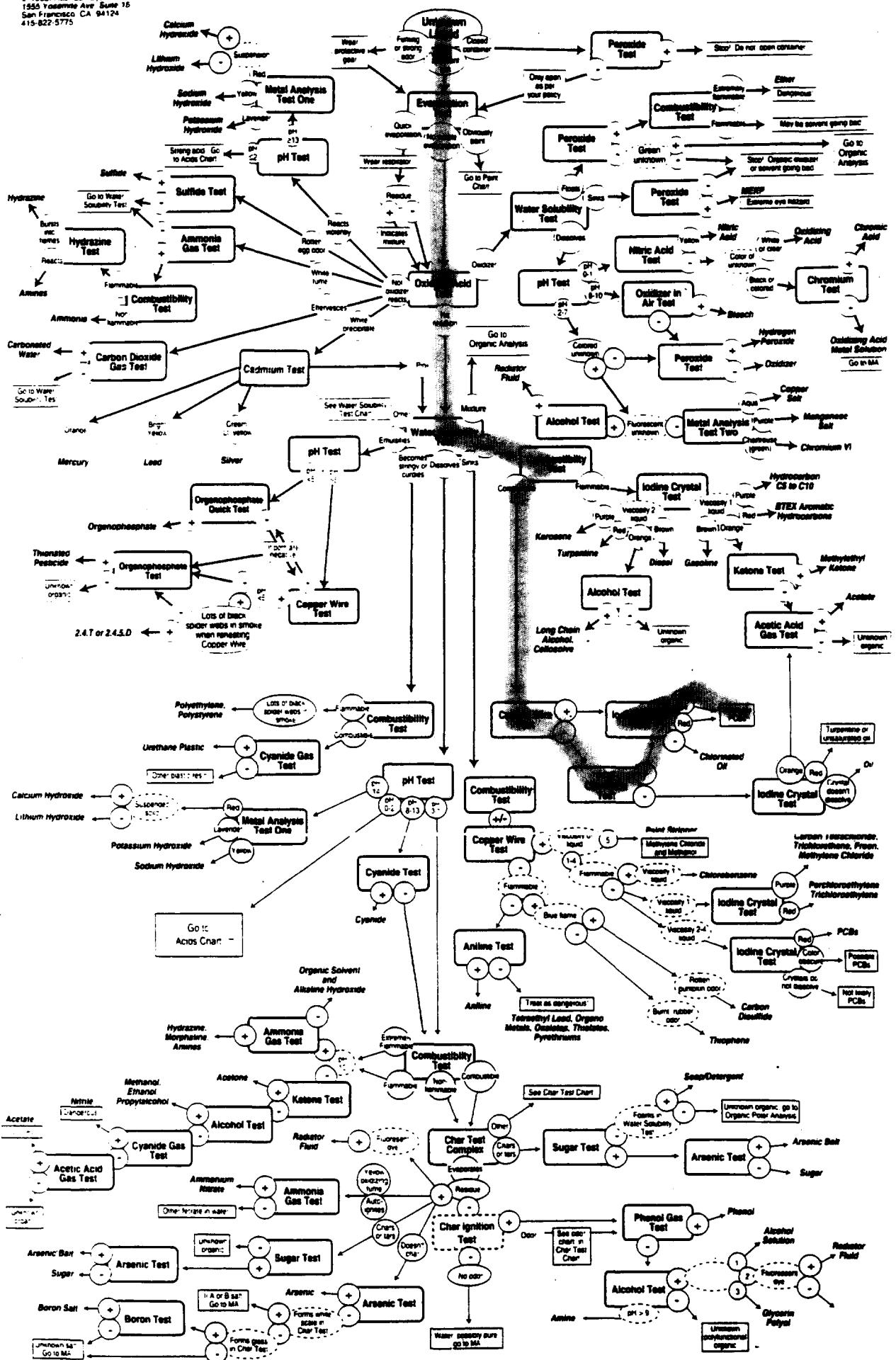
6. Color: clear yellowish liquid, Odor: petroleum, Vapors: PID Open

Other: 1' sludge bottom, ~5' water layer, 3" oil, no breaches, access through top port (open)

clear liquid take sample of liquid (3 32-oz, 2 40-mL)  
tch 8-oz of oil layer

# HAZCAT LIQUIDS CHART

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LIQUID S  
C H A R T**

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313 NF  
Bottom layer



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: P SCT

WA#: R1A00072

Sampler: Metz, Peroire

U.S. EPA/ERTC WAM: Zomar

Date: 7/14/99

REAC Task Leader: Metz

Drum/Tank #: 373 714

Approximate Volume: 6" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

**Sampling Diagram**



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 16' tall, 12' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

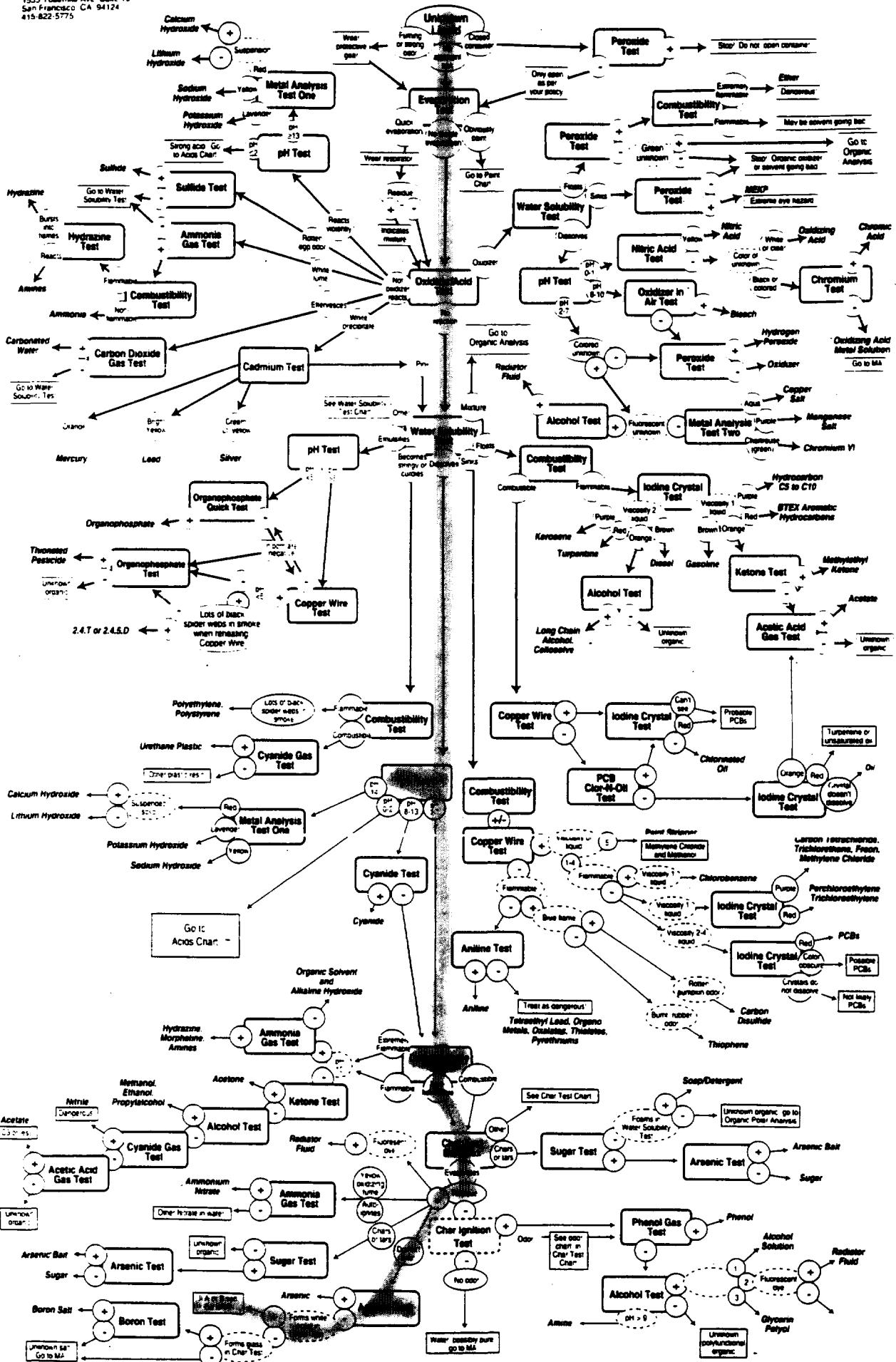
6. Color: clear yellow liquid, Odor: -, Vapors: \_\_\_\_\_

Other: access through open top slot w/ lipp. (3 32-oz, 2 40-oz)

# HAZTECH LIQUIDS CHART

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314 NF





100-01

**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Metz, Parsons

U.S. EPA/ERTC WAM: Zouwai

Date: 7/14/95

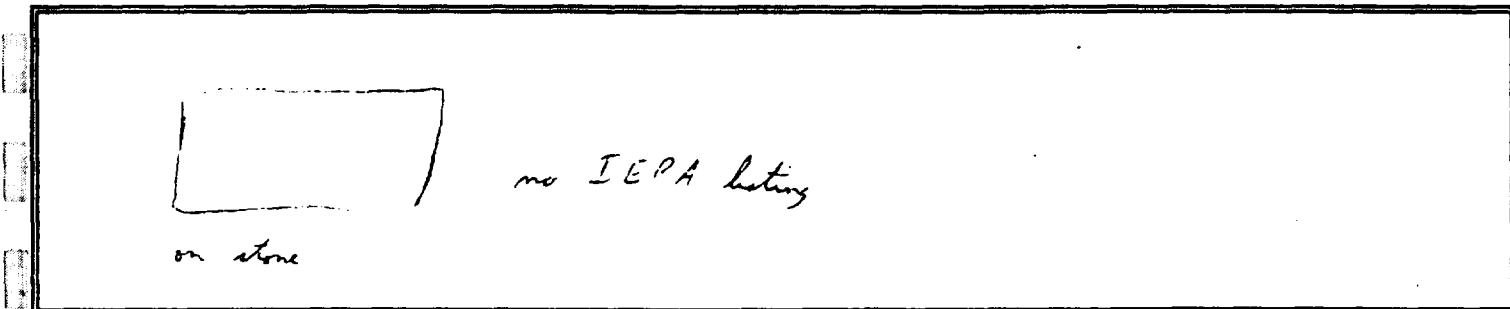
REAC Task Leader: Metz

Drum/Tank #: 401

Approximate Volume: 1/2 full (~5 1/2 ft light oil)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26227	Black Oil - PCB

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 26' long, 11' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

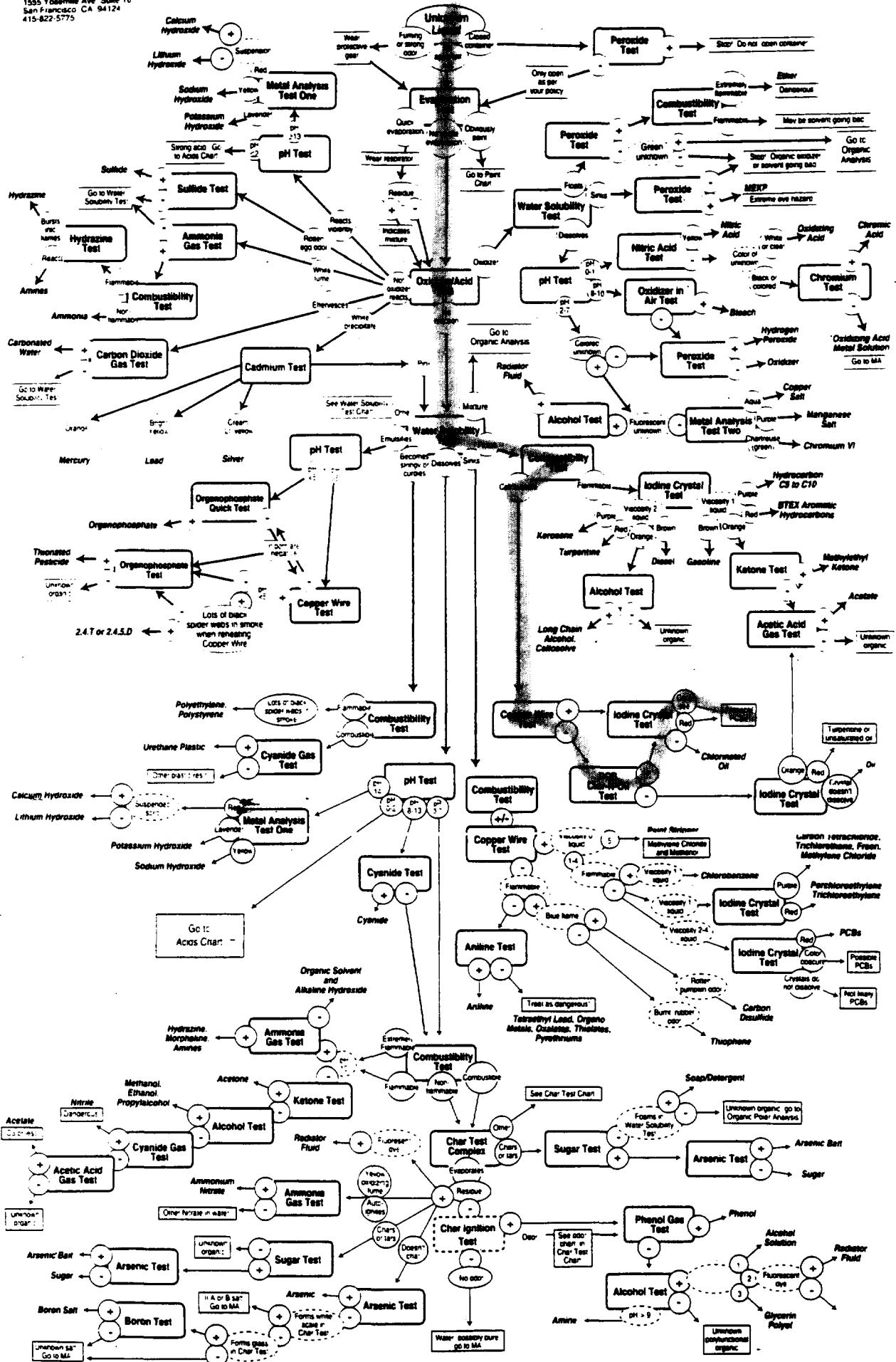
6. Color: brownish-black, Odor: petroleum, Vapors: LEL/ND, 140 ppm PID

Other: we left to access top, thin oil in tank, sample collected for HAZCAT (3 32-oz, 2 10-oz), tank not connected to asphalt plant

# HAZARD LIQUIDS CHART

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401 NF





U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page \_\_\_\_ of \_\_\_\_  
**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Persicca

U.S. EPA/ERTC WAM: Zownir

Date: 7/14/95

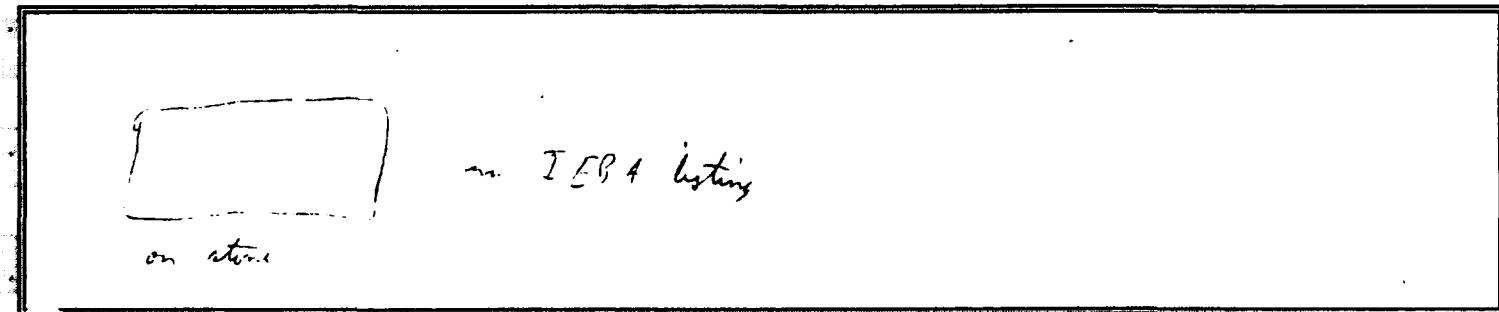
REAC Task Leader: Metz

Drum/Tank #: 402

Approximate Volume: c 1/2 full (~5' mid-cut - thick than tank)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26228	Black Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 26' long, 11' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

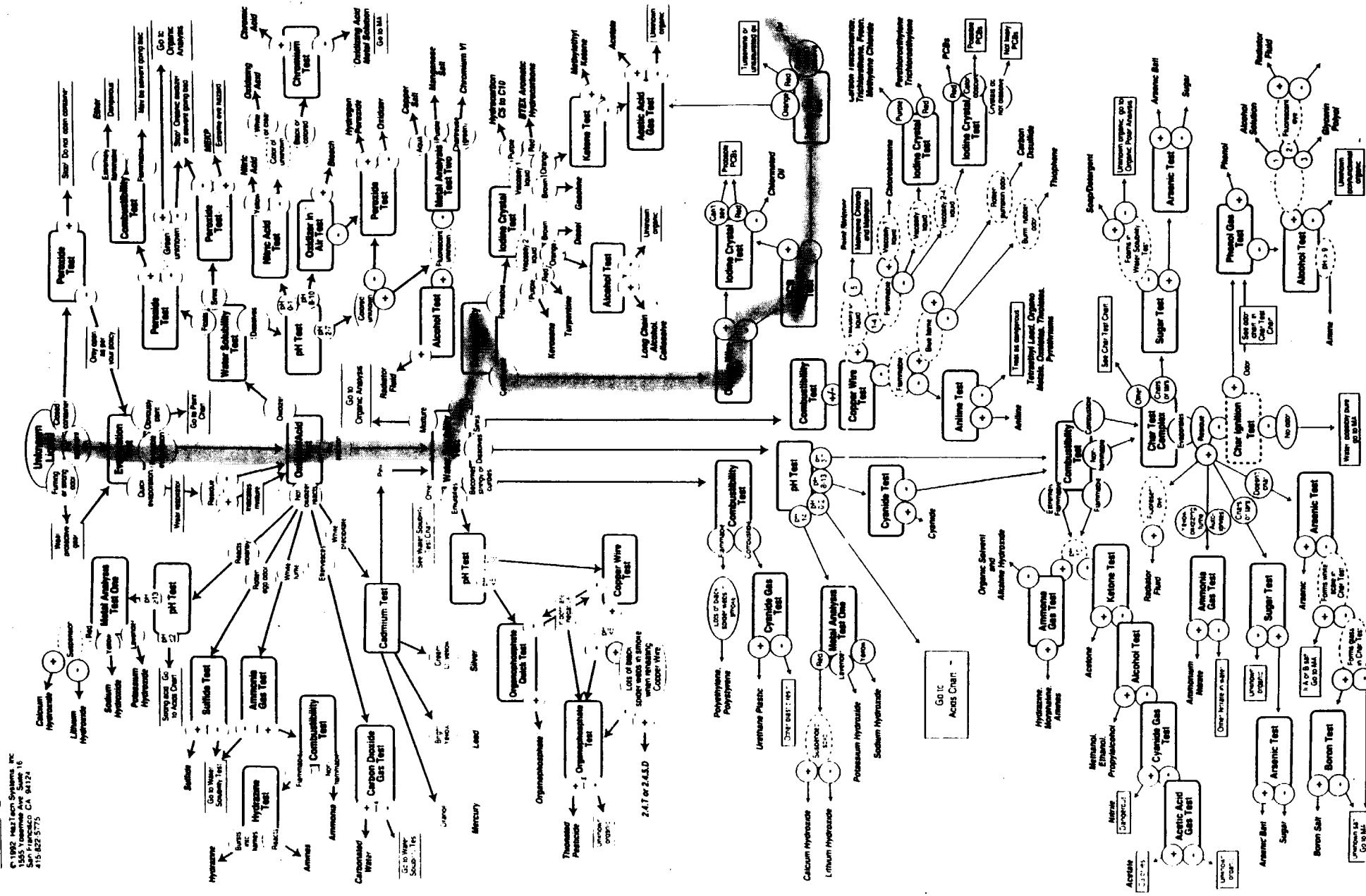
5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: brownish-black, Odor: petroleum, Vapors: PID 260 ppm, CO<sub>2</sub> 10%

Other: access to port, medium oil, HAZCAT sample (3 32-oz, 2 40-ml)  
tank not connected to asphalt plant

402 MF

## HAZARD LIQUIDS CHART





U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page \_\_\_ of \_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00070

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zoumair

Date: 7/14/99

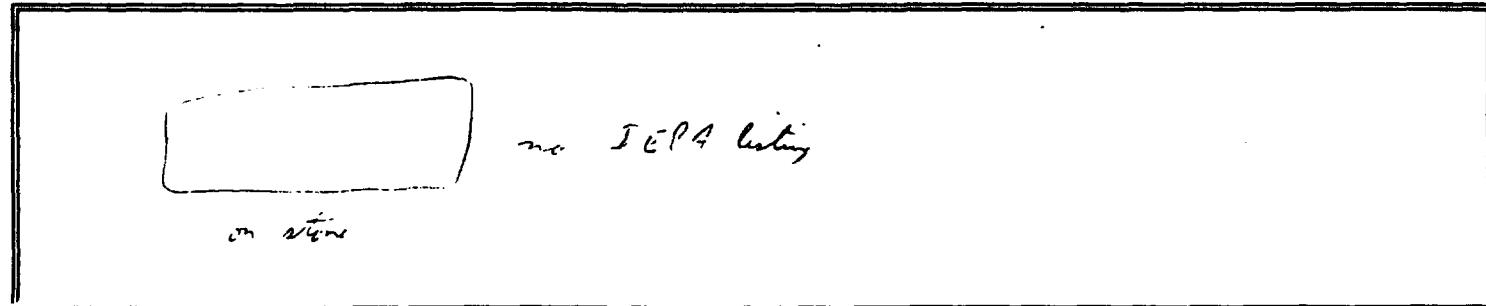
REAC Task Leader: Metz

Drum/Tank #: 403

Approximate Volume: 1/2 full (~5 ft<sup>3</sup> thick oil/tar)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26229	Thick Black Sludge - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: horizontal cylinder

Approximate size: 36' long, 11' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

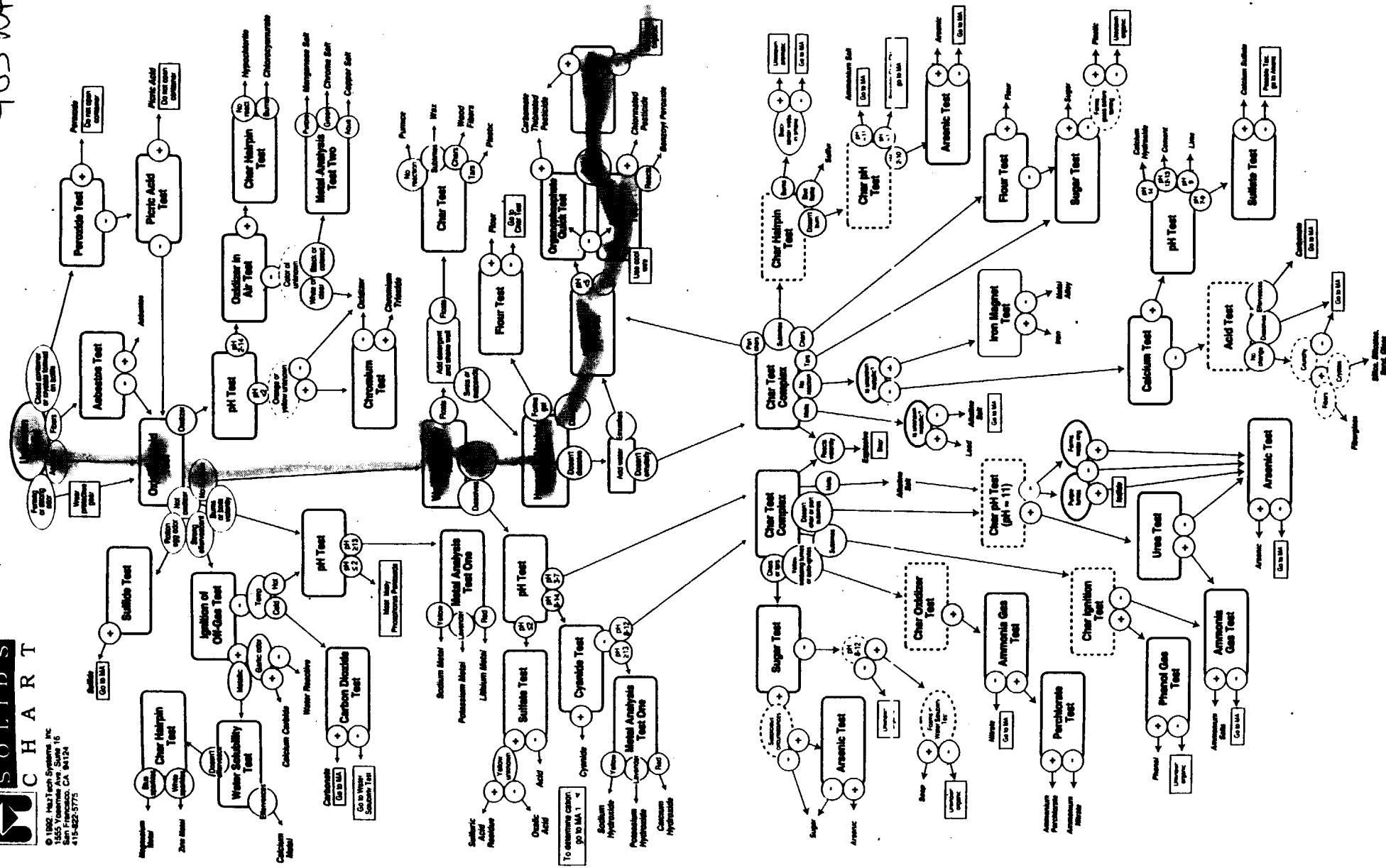
6. Color: black, Odor: petroleum, Vapors: PID 30 ppm, LEL 1%, ND

Other: thick oil/tar in tank, even though to soil. HAZCAT sample (3 sec, 10 m)  
tank not connected to asphalt plant

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zownir

Date: 7/14/99

REAC Task Leader: Metz

Drum/Tank #: 404

Approximate Volume: 1" oil  
full (~3' ~5" rain water)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26230	Black Oil /Liq - PCB

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 26' long 11' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: brown yellow & black, Odor: petroleum, Vapors: PID 13 ppm, 66% ND

Other: ~5" water under ~1" oil, never through top surf. HAZCAT sampled (3 32-g, 2 40-mc)  
tank not connected to asphalt plant





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_ of \_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R 14000 70

Sampler: S.1

U.S. EPA/ERTC WAM: Zornip

Date: 7/15/99

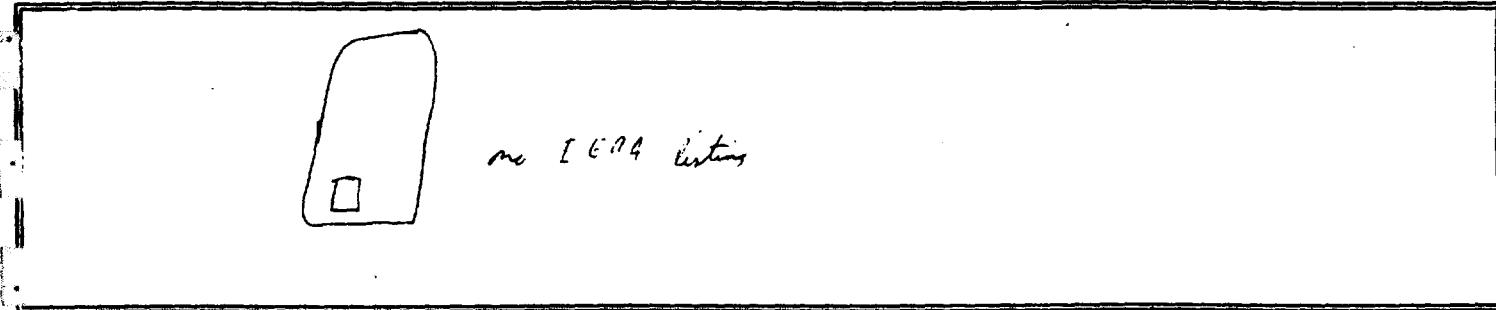
REAC Task Leader: Metz

Drum/Tank #: 405

Approximate Volume: 1-2" just excavated oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 15' diam.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid,  solid (powder or crystals),  sludge

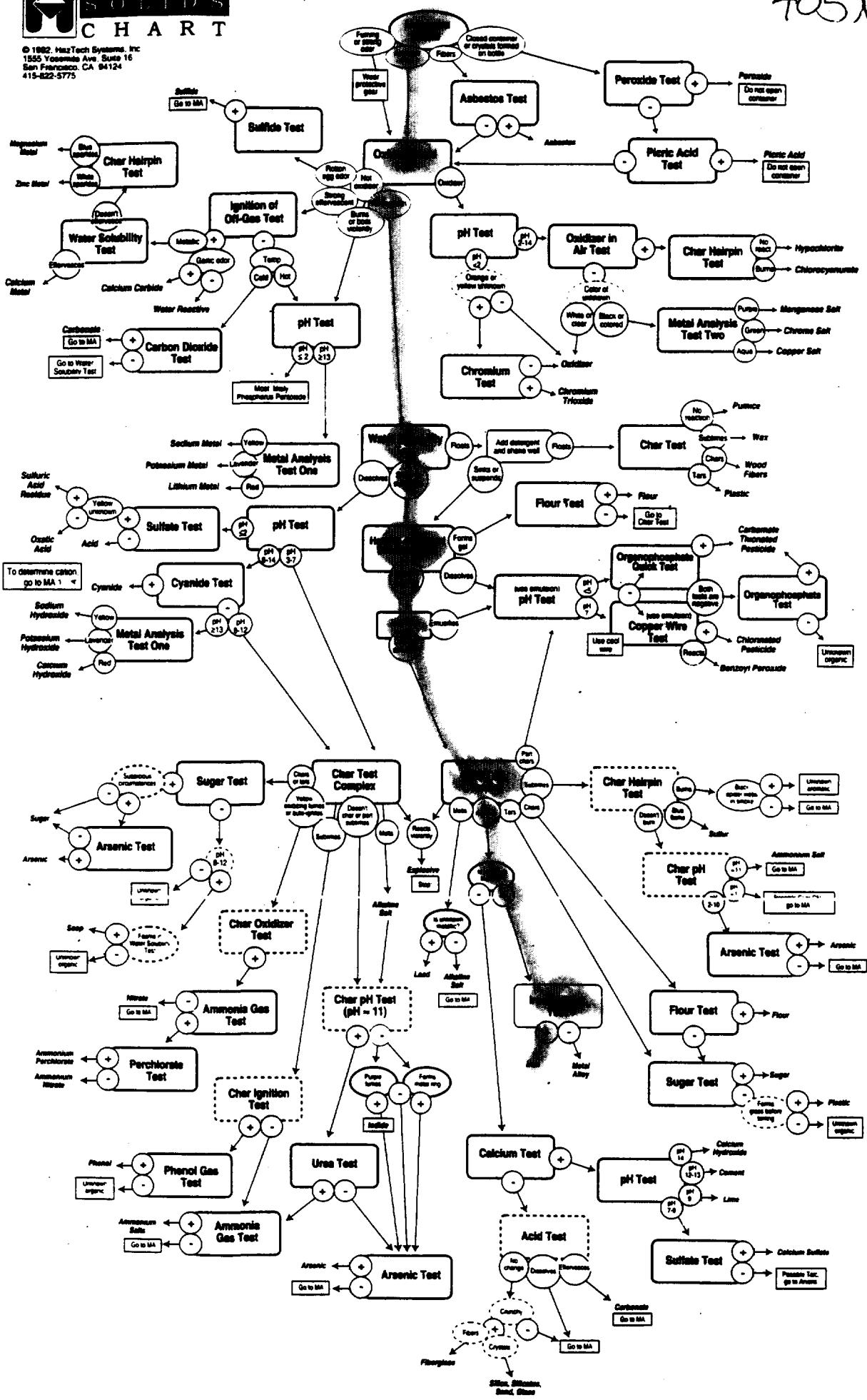
6. Color: black & rust colored, Odor: -, Vapors: PID Off, IEL ND

Other: open memory, 3 3d-oz collected, scale out and it mixed a bottom

# HAZCAT<sup>®</sup> SOLID WASTE CHART

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405NF





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**Response Engineering Analytical Contract**  
**Drum/Tank Sampling Work Sheet**

Page \_\_\_\_ or \_\_\_\_

**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Sgt

U.S. EPA/ERTC WAM: Zoumier

Date: 7/15/95

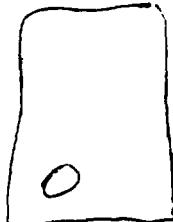
REAC Task Leader: Metz

Drum/Tank #: 406

Approximate Volume: 2½ - 3" product (water w/o oil)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



*no TCEPA listing*

**AMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 11' diam

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black or dark liquid, Odor: oil, Vapors: PID Odom, LEL ND

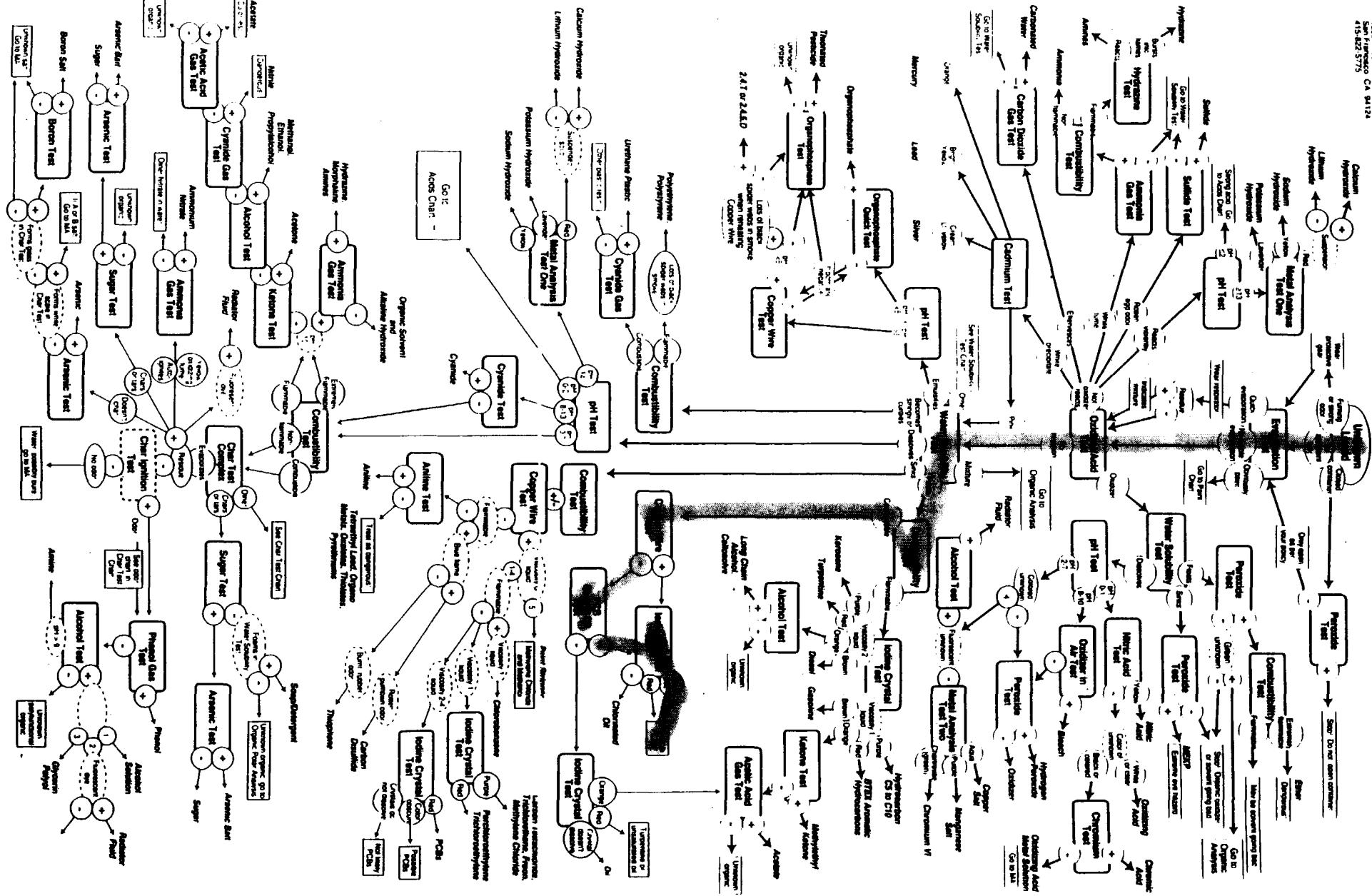
Other: open manway, thick watery oil 3-30-63, [redacted]

H A Z C A I  
L I Q U I D S  
C H A R T

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21

406 NF





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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

The logo consists of the letters "REAC" in a bold, sans-serif font. A thick black arrow arches over the top of the letters, pointing from the "R" towards the "A".

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00070

Sampler: Lupiano, Perino

U.S. EPA/ERTC WAM: Zownir

Date: 7/15/99

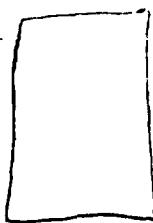
REAC Task Leader: Metz

Drum/Tank #: 407

Approximate Volume: 9' liquid (in. b)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26231	Black Thick oil - PCB

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 21' diameter

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

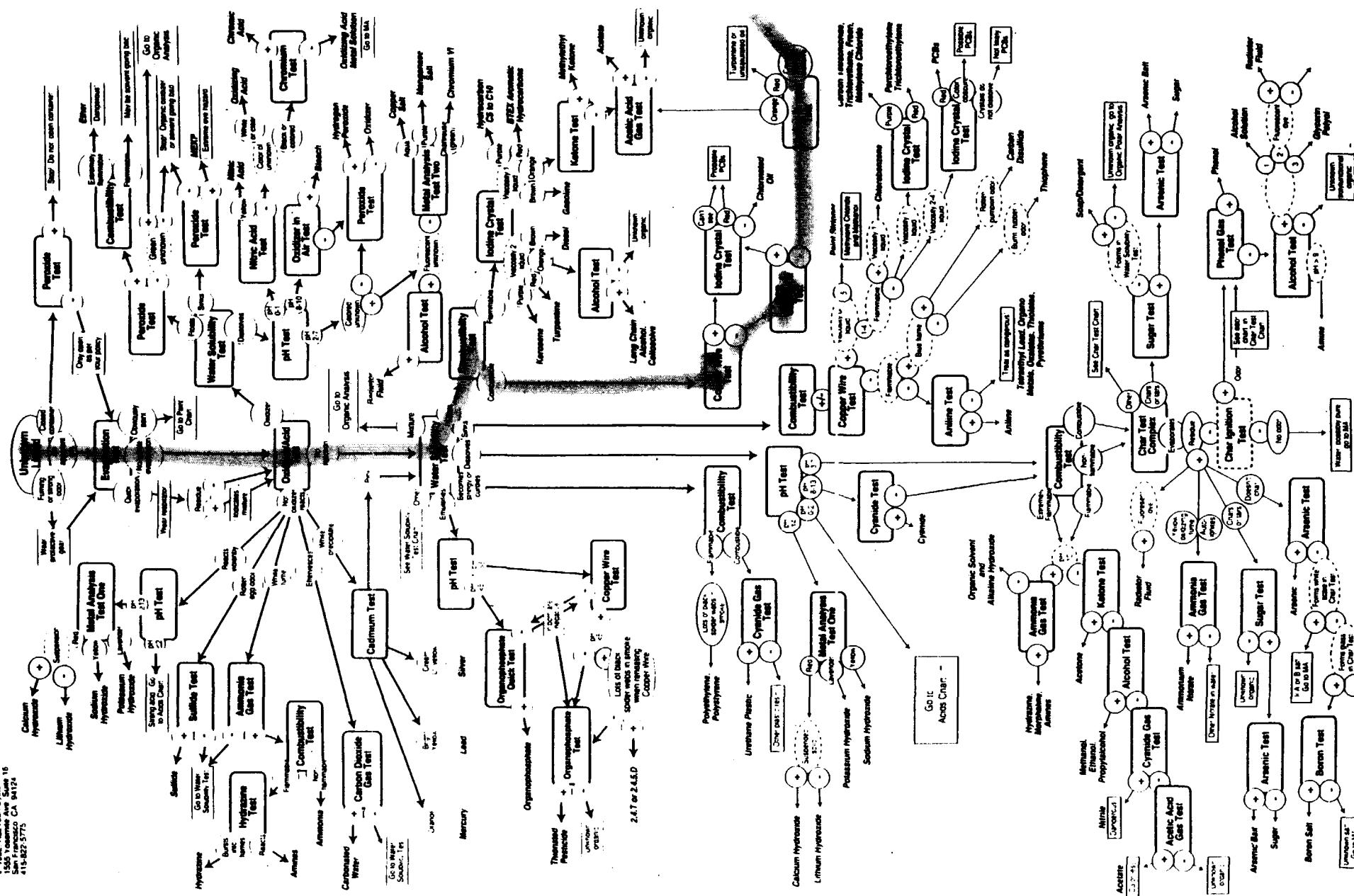
6. Color: black, Odor: asphalt, Vapors: PID 80 ppm, LEL 1%

Other: top access, no open manway, seemed to get thicker layers in tank, no layering  
2 31-oz jars

# **H A Z U A R D S**

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407 N.Y.





**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Site: SGT

WA#: R1A00072

Sampler: Sgt

U.S. EPA/ERTC WAM: Zo-h-1

Date: 7/15/99

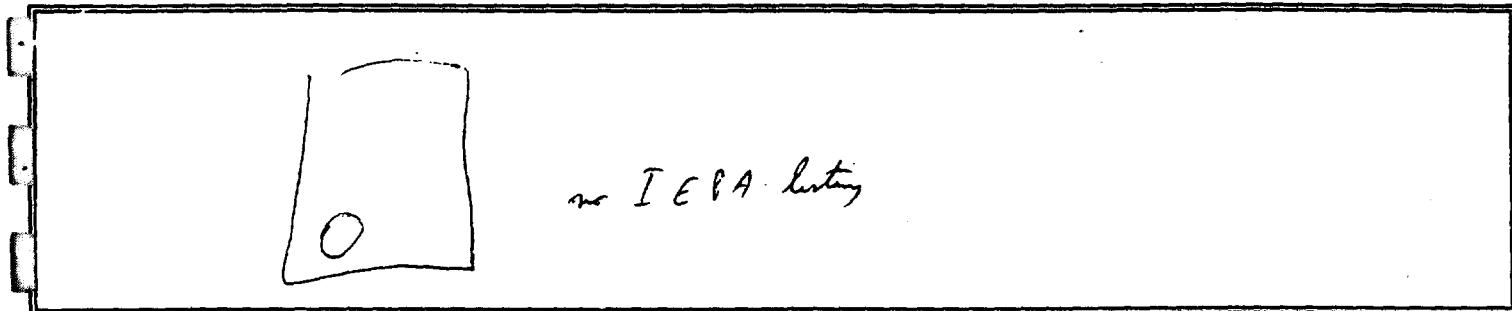
REAC Task Leader: Metz

Drum/Tank #: 408

Approximate Volume: 1 1/2' product (1" sludge on -1 1/2' water)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26254	Metals - white clear liquid
26268	VOC

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 21' dia.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: brown, w/clear liquid, Odor: \_\_\_\_\_, Vapors: PID 3 ppm, LEC N/A

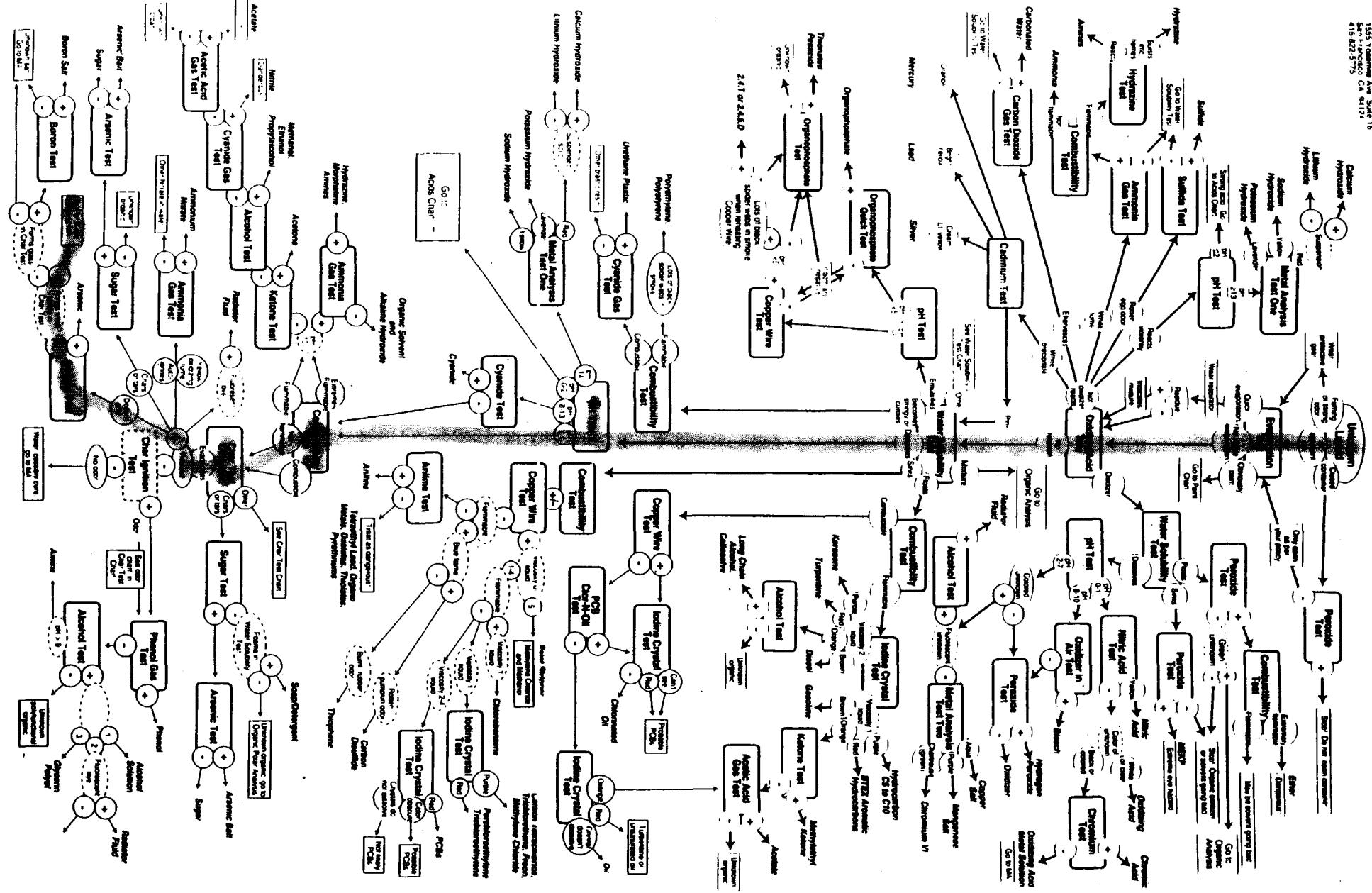
Other: open manway, sludge on floor liquid, collect 4-oz jar of sludge, collect 3-3 oz of water

**REAC**

**L I Q U I D S**  
**H A Z U R D**

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408 NF





U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Page 01  
**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A0007J

Sampler: Lupigne, Perceval

U.S. EPA/ERTC WAM: Zomnic

Date: 7/15/99

REAC Task Leader: Metz

Drum/Tank #: 409

Approximate Volume: 17' product (dust, tan-brown)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26232	PCB - Black solid TAR

Sampling Diagram



no EPA listing

SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 11' diam.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

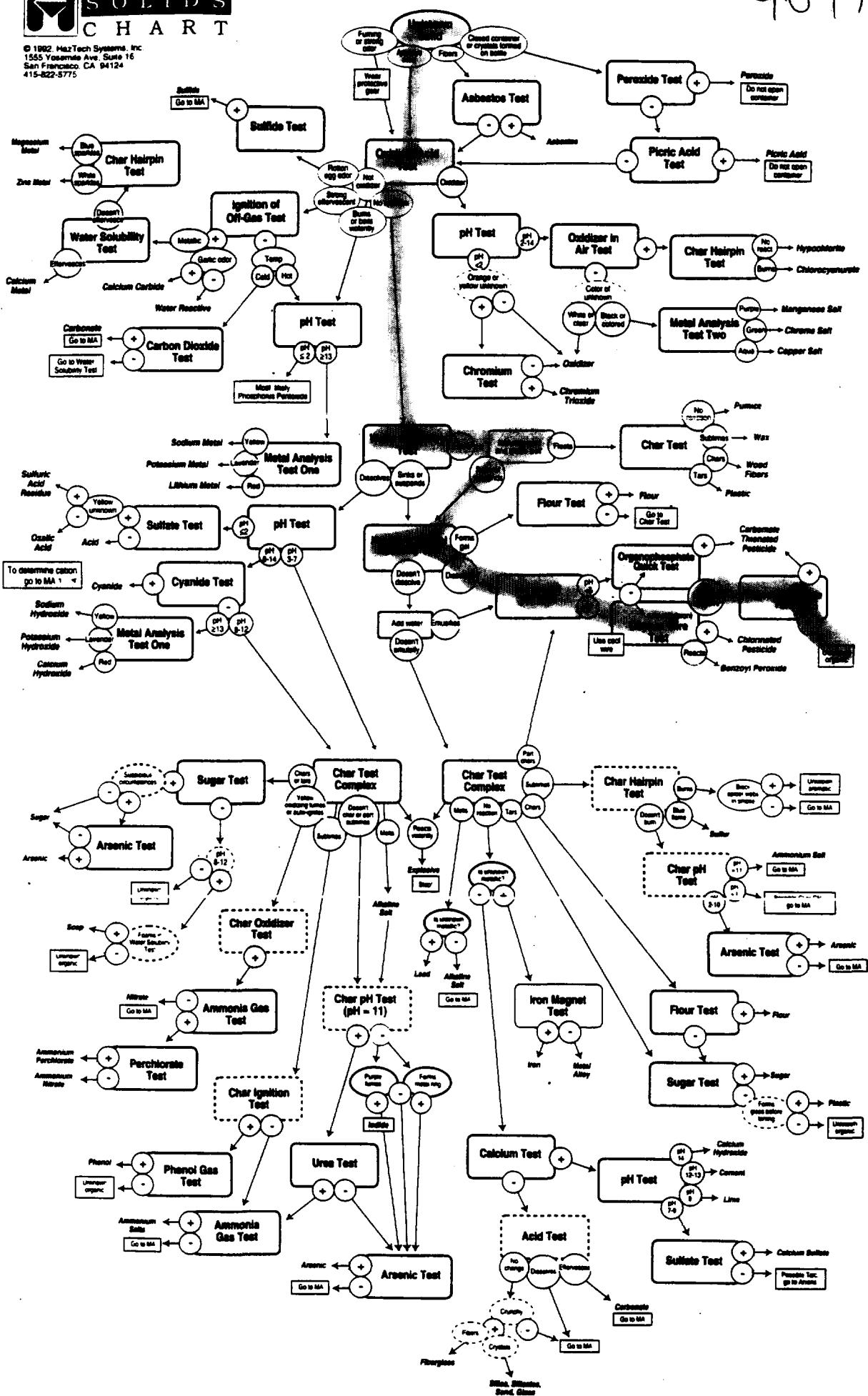
6. Color: black, Odor: angritic, Vapors: PID Open, LEL ND

Other: top access, no open manway, too thick to sample no layering detected, small sample amount collected. potential for water at 24' below product surface

# HAZCAT® SOLIDS CHART

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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_ of \_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Lupiano, Perri

U.S. EPA/ERTC WAM: Zorni

Date: 7/15/99

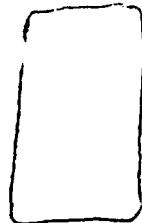
REAC Task Leader: Metz

Drum/Tank #: 410

Approximate Volume: 6" ambient (top lit volume)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 21' diam.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

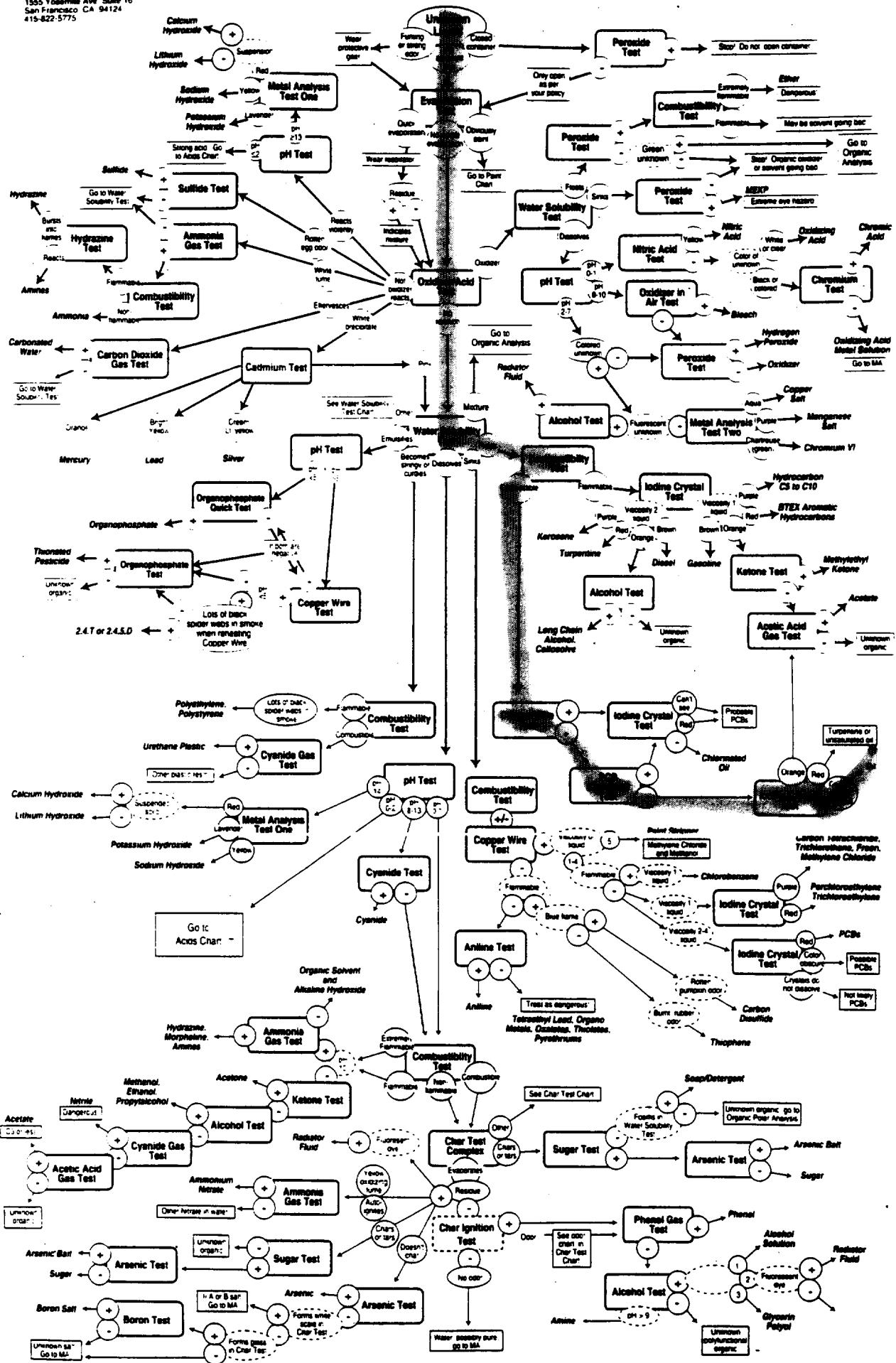
6. Color: black, Odor: asphalt, Vapors: PID 5 ppm, LC LD ND

Other: no vapor recovery, top access, collect in 32-oz jars

# HAZARD LIQUIDS CHART

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410 NF





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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Site: SCT

WA#: R1A00070

Sampler: Lupisano, Perkins

U.S. EPA/ERTC WAM: Zurin

Date: 7/15

REAC Task Leader: Metz

Drum/Tank #: 411

Approximate Volume: 16' product (no water layer)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26233	<u>Thick Black Goo - PCB</u>

Sampling Diagram



no FEP lining

SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 14' tall, 21' diam.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: asphalt, Vapors: PID 10 ppm, CCL ND

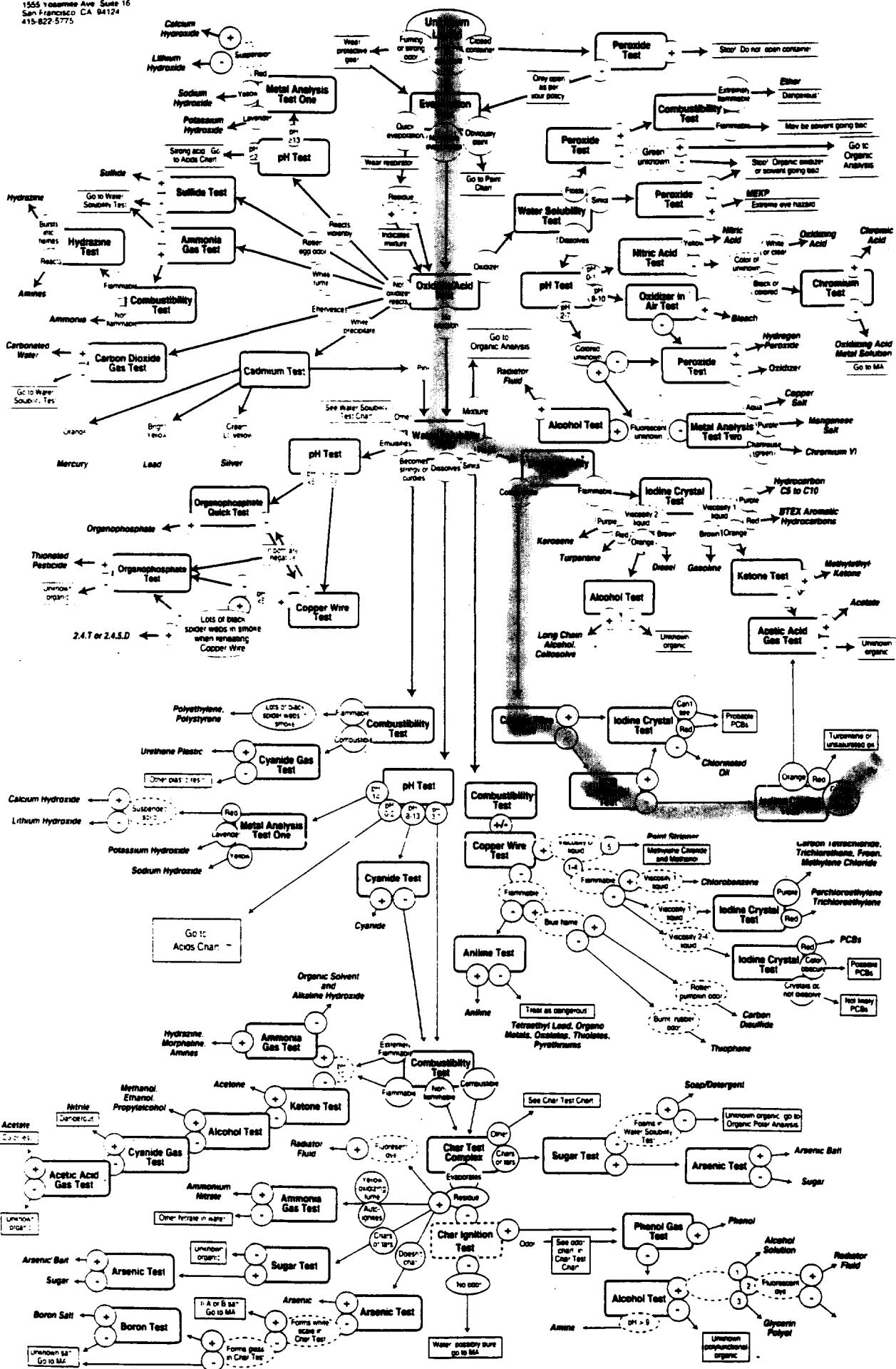
Other: top access, no open manway, d 32-oz, tan like substance



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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R140007J

Sampler: So1

U.S. EPA/ERTC WAM: Zonneveld

Date: 7/15/95

REAC Task Leader: Metz

Drum/Tank #: 412

Approximate Volume: <1" wst & oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



*no I.C.P. holes*

SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cyl.

Approximate size: 34' tall, 15' dia

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

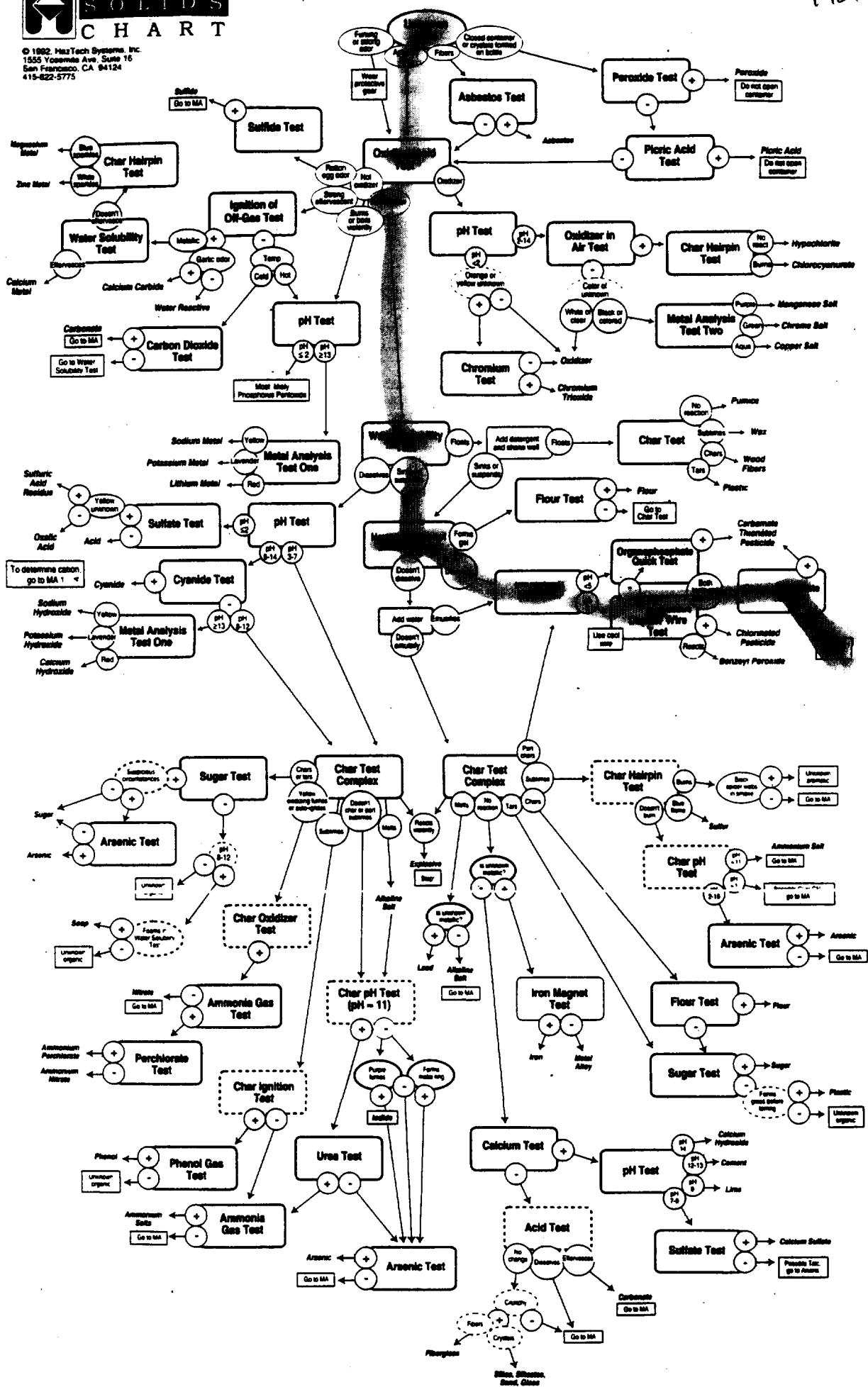
6. Color: black crust, Odor: -, Vapors: PID Clean, no ND

Other: wst & oil sludge, open manway, 1 32-oz jar

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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Lupiano, Piragine

U.S. EPA/ERTC WAM: Zownir

Date: 7/15/99

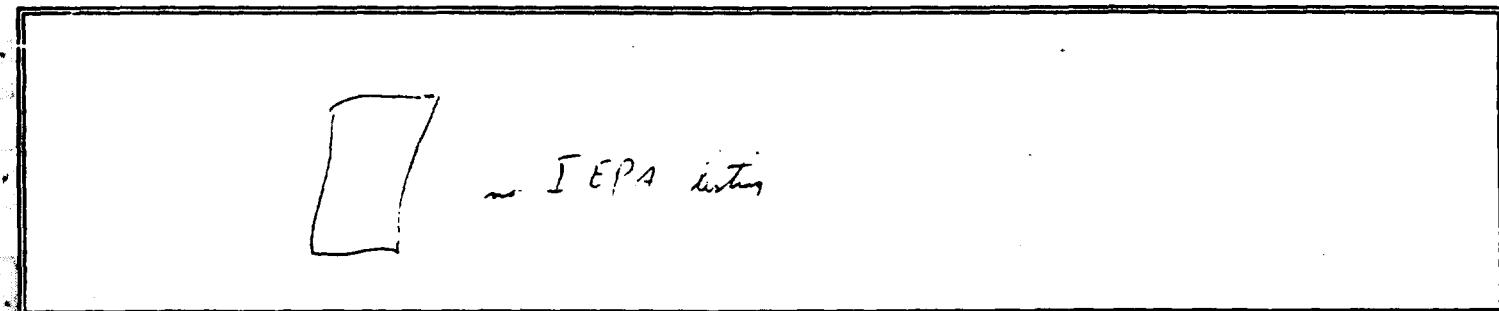
REAC Task Leader: Metz

Drum/Tank #: 413

Approximate Volume: 3' product, no waste

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26234	Thick Black Goo - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 21' diam

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

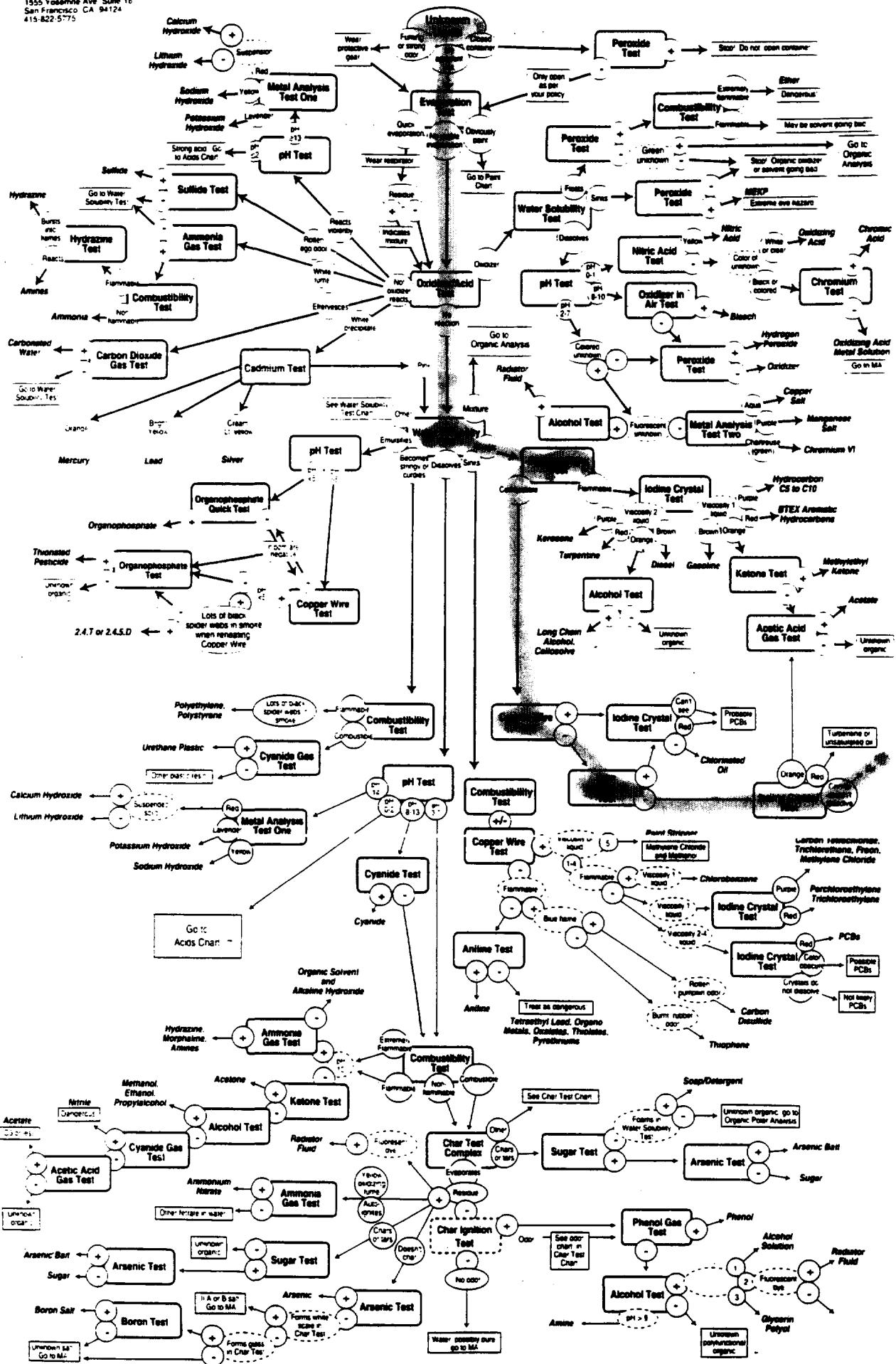
6. Color: black, Odor: asphalt, Vapors: PID 822, LEL n/a

Other: no open manways, top access, 2 1/2 oz jars

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**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page \_\_\_\_ of \_\_\_\_  
**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Lugino, Persona

U.S. EPA/ERTC WAM: Z0LWIR

Date: 7/15/99

REAC Task Leader: Metz

Drum/Tank #: 414

Approximate Volume: 4" arched, no water

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



AMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: spherical

Approximate size: 34' tall, 21' diam.

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

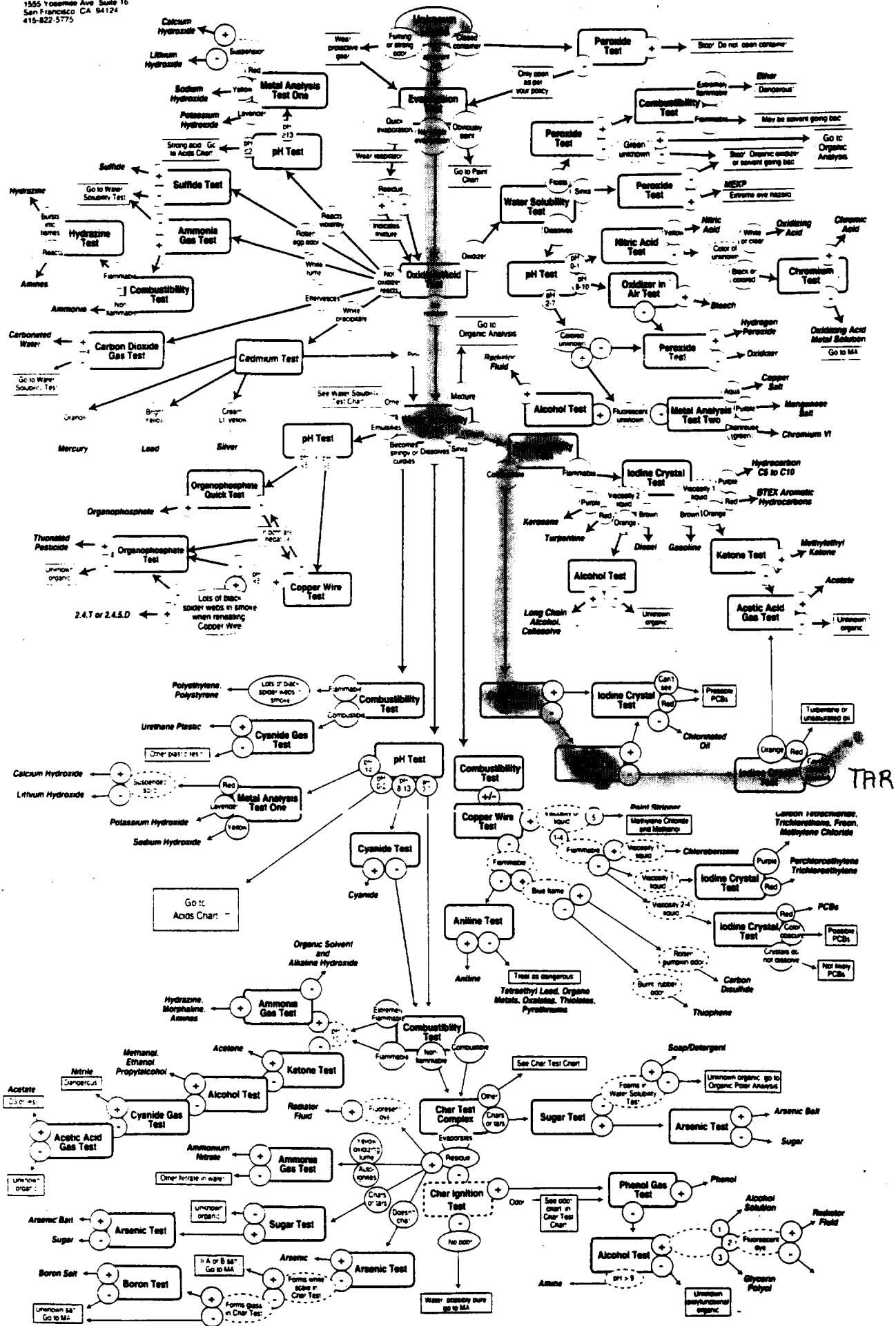
5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: black, Odor: asphalt, Vapors: PID smoky, cooling

Other: no open manway, 6 ft access, 2 30-oz jugs

**LIQUIDS  
CHART**

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Drum/Tank Sampling Work Sheet**

Page \_\_\_\_ of \_\_\_\_



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCT

WA#: R19 00072

Sampler: Lupien

U.S. EPA/ERTC WAM: Zonneveld

Date: 7/15/95

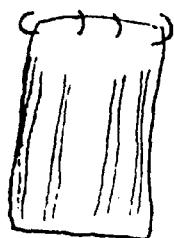
REAC Task Leader: Metz

Drum/Tank #: T1

Approximate Volume: 3 transformer

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26235	T <sub>1</sub> , T <sub>2</sub> & T <sub>3</sub> - composite, clear yellow - PCB

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum, Tank, Other: transformer (3)

2. Container dimensions: Shape: cylindrical

Approximate size: 4' tall x ~2' diameter

3. Label present: No,  Yes: None

4. Spill or Leak present:  No, Yes, Dimensions: \_\_\_\_\_

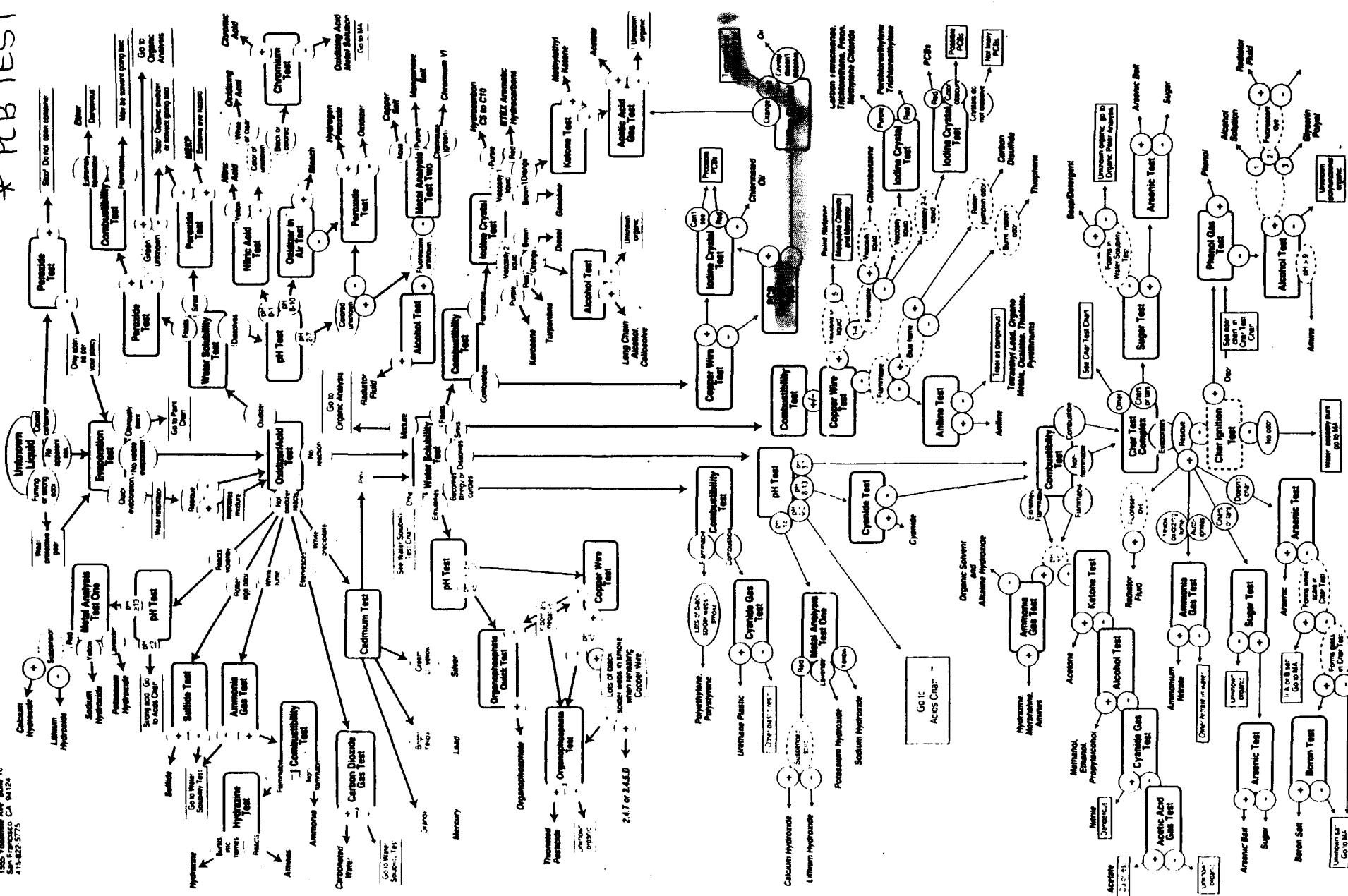
5. Description:  liquid, solid (powder or crystals), sludge

6. Color: clear yellow liquid, Odor: -, Vapors: -

Other: "M&E" on top, "375" on front, located off corner of Tank 117 and Tank 34  
Label on front are illegible, located inside Building K, collect 1 32-oz jar  
3 transformer composite. sample is light grade oil

LIQUIDS CHART

PCB TEST





U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet

Site: SCT

WA# R1A00072

Sampler: Lupiana

U.S. EPA/ERTC WAM: Zoumier

Date: 7/15/95

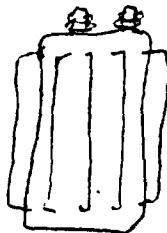
REAC Task Leader: Metz

Drum/Tank #: TJ

Approximate Volume: 3 x 100 gals

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26235	T <sub>1</sub> , T <sub>2</sub> , T <sub>3</sub> - Comprise Clear Yellow PCB

Sampling Diagram



AMPLE INFORMATION:

1. Container type: Drum, Tank, Other: 3 transformers

2. Container dimensions: Shape: cylindrical

Approximate size: 4 1/2' tall ~ 3' diam

3. Label present: No, ✓ Yes: Melony Transformer Melony Elec. Co. 100 gal  
250 KVA

4. Spill or Leak present: ✓ No, Yes, Dimensions: 8-15-58 MFG DATE 2900 lbs

5. Description: ✓ liquid, solid (powder or crystals), sludge

6. Color: clear yellow, Odor: -, Vapors: -

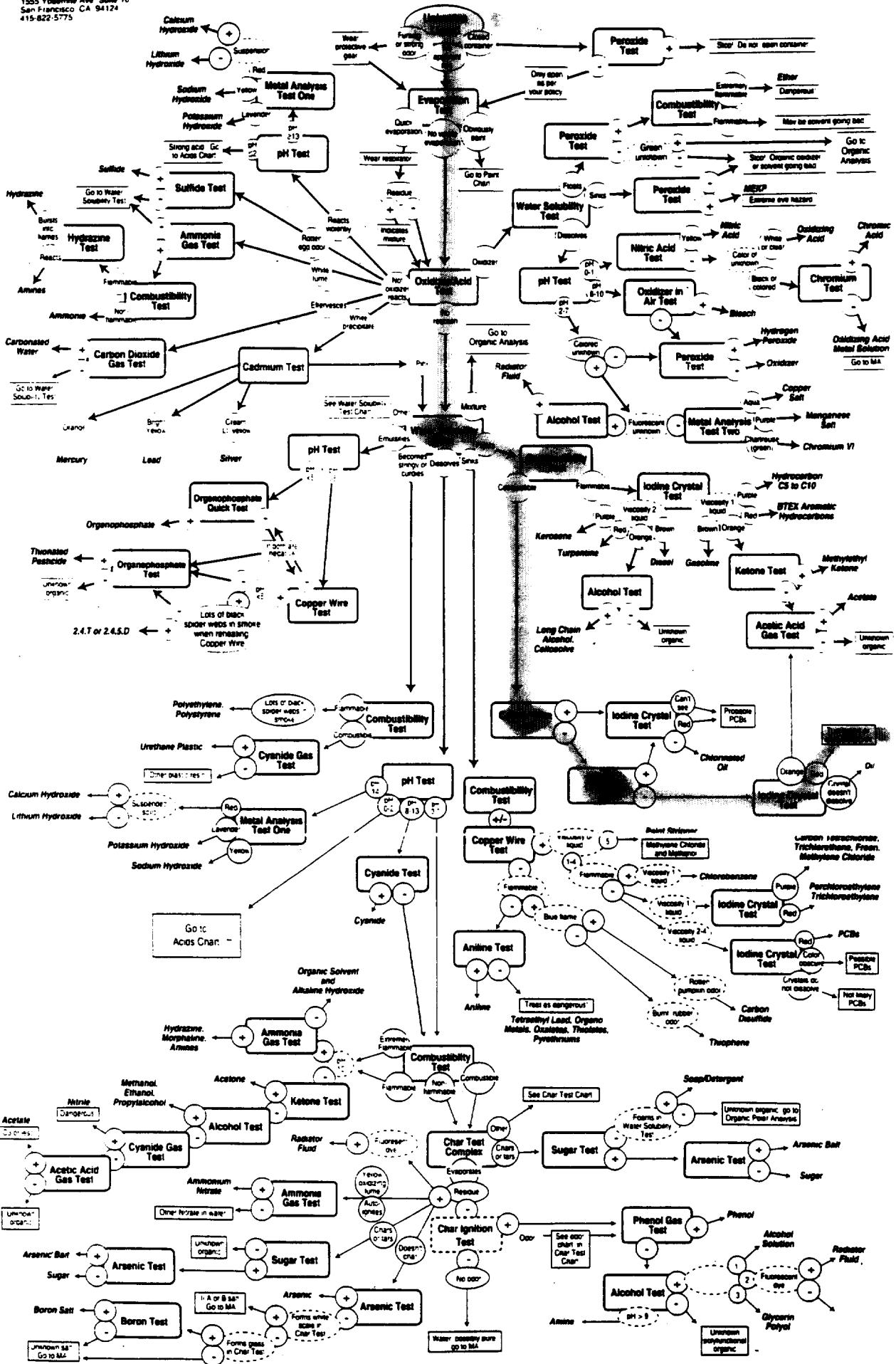
Other: PCB sampling runs to 40 L of transformer collect 1 32-oz jar for 3 PCBs located at NW corner, NG of Tank 90.

Page    of     
**REAC**

# L I Q U I D S C H A R T

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T2 NF





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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Page    of   

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: SCTWA# R1A 00072

Sampler: \_\_\_\_\_

U.S. EPA/ERTC WAM: Zouinir

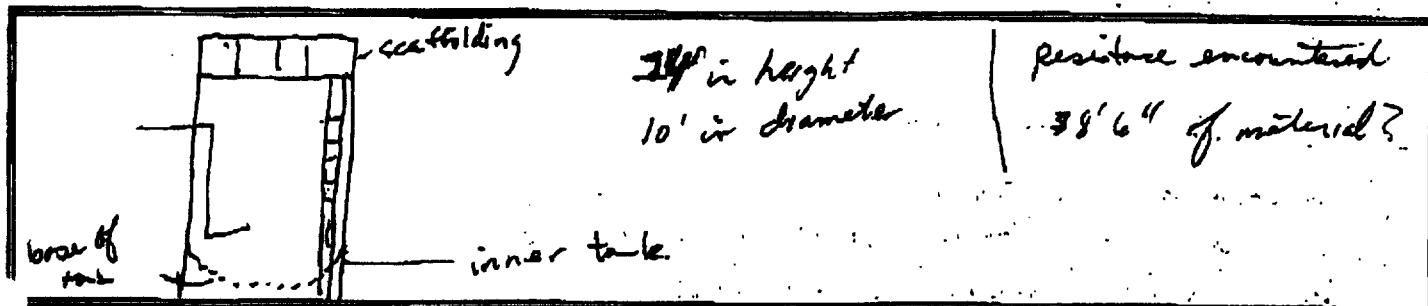
Date: \_\_\_\_\_

REAC Task Leader: METZ

Drum/Tank #: Vert tank at processing unit      Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
T-03	2 8oz jars from transfer / reactor located at top of tank clear yellow liquid composite sample for PCBs,

## Sampling Diagram



## SAMPLE INFORMATION:

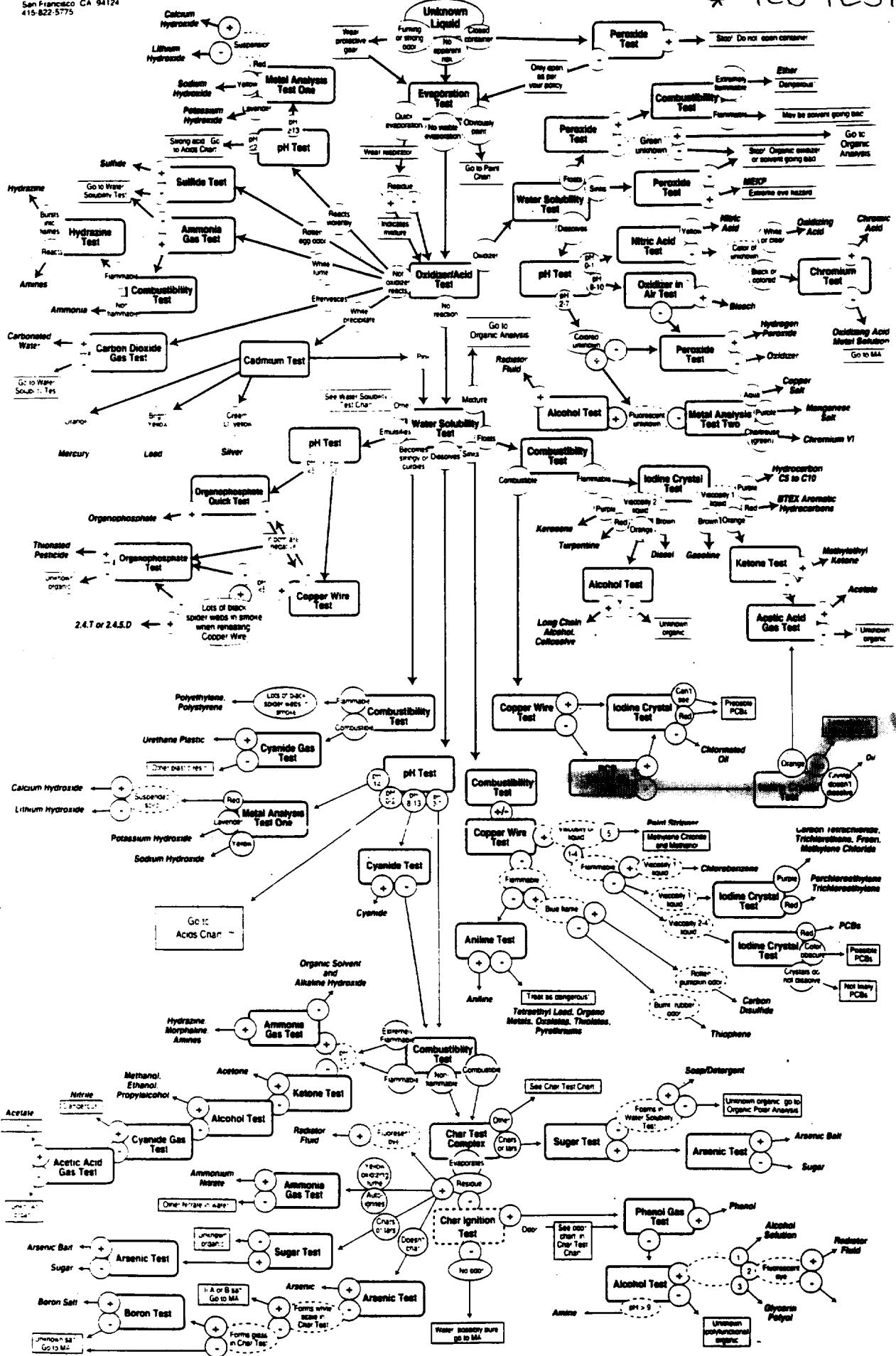
1. Container type: Drum, Tank, Other: transfer / reactor
  2. Container dimensions: Shape: \_\_\_\_\_  
Approximate size: \_\_\_\_\_
  3. Label present: No,  Yes: see back
  4. Spill or Leak present: No,  Yes, Dimensions: \_\_\_\_\_
  5. Description: liquid, solid (powder or crystals), sludge
  6. Color: yellow, clear, Odor: \_\_\_\_\_, Vapor: \_\_\_\_\_
- Other: \_\_\_\_\_

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T 3

## \* PCB TEST



## **Appendix B**

APPENDIX B

Tank Sampling Work Sheets  
South Central Terminal

Pana, Illinois

R1A 00072

August 1999

for Bulk  
ACM Analysis



**U.S. EPA/Environmental Response Team Center**  
**Response Engineering Analytical Contract**  
**Drum/Tank Sampling Work Sheet**

Page 1 of 1



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/12/99

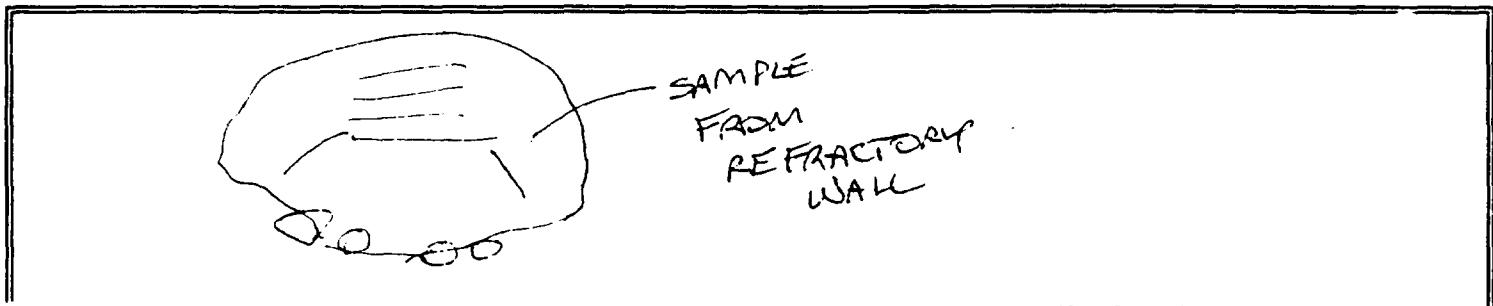
REAC Task Leader: METZ

Drum/Tank #: DISCARDED CRUDE PREHEATER

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 001	POSSIBLE ACM
26320	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: CRUDE PREHEATER

2. Container dimensions: Shape: CYLINDRICAL

Approximate size: 12' DIA

3. Label present: No, Yes: \_\_\_\_\_

4. Spill or Leak present: No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or crystals), sludge

6. Color: GREY, Odor: NO, Vapors: \_\_\_\_\_

Other: \_\_\_\_\_



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: ACM 002 Bradstreet

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/13/99

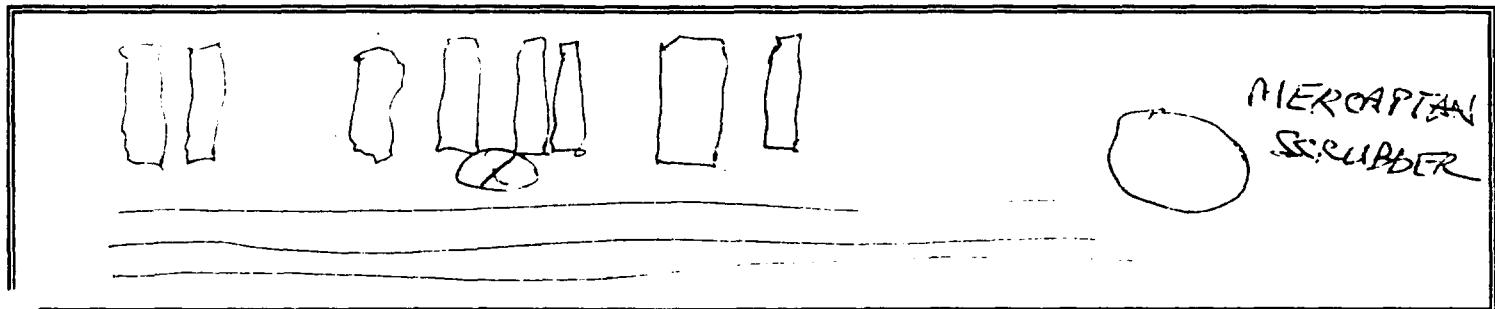
REAC Task Leader: \_\_\_\_\_

Drum/Tank #: \_\_\_\_\_

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 002	FLOOR OF LINES TO MERCAPTAN SCRUBBER
26321	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: SUSPECT ACM ON FLOOR

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: 25'x 10'

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: \_\_\_\_\_

Other: \_\_\_\_\_



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: D-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/13/99

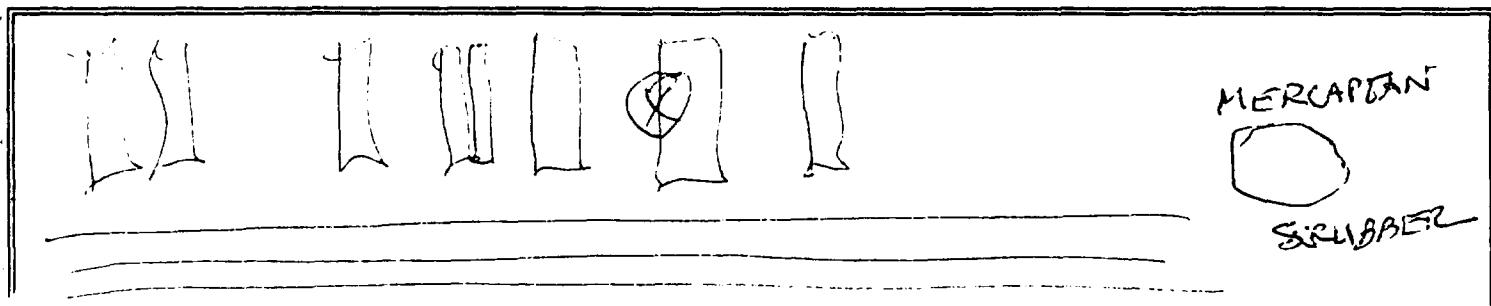
REAC Task Leader: METZ

Drum/Tank #: PIPELINE

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 003	POSSIBLE ACM
26322	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: WRAPPING ON PIPES TO MERCAPTAN SCRUBBER
  2. Container dimensions: Shape: \_\_\_\_\_
  3. Label present:  No,  Yes: \_\_\_\_\_
  4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_
  5. Description:  liquid,  solid ( powder or  crystals),  sludge
  6. Color: GREY, Odor: NA, Vapors: \_\_\_\_\_
- Other: \_\_\_\_\_



**U.S. EPA/Environmental Response Team Center  
Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**

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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: \_\_\_\_\_

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/13/99

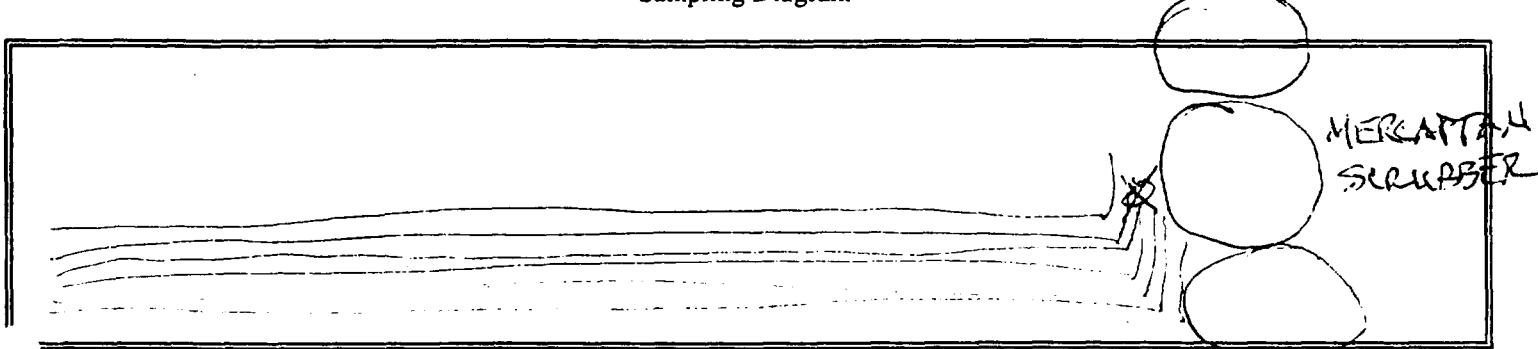
REAC Task Leader: METZ

Drum/Tank #: PIPING WRAP

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 004	POSSIBLE ACM INSULATION
26323	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: PIPING TO MERCAPTAN SCRUBBER
2. Container dimensions: Shape: \_\_\_\_\_  
Approximate size: \_\_\_\_\_
3. Label present:  No,  Yes: \_\_\_\_\_
4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_
5. Description:  liquid,  solid ( powder or  crystals),  sludge
6. Color: GREY, Odor: NA, Vapors: -
- Other: \_\_\_\_\_



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Response Engineering Analytical Contract  
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRAIDSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/13/99

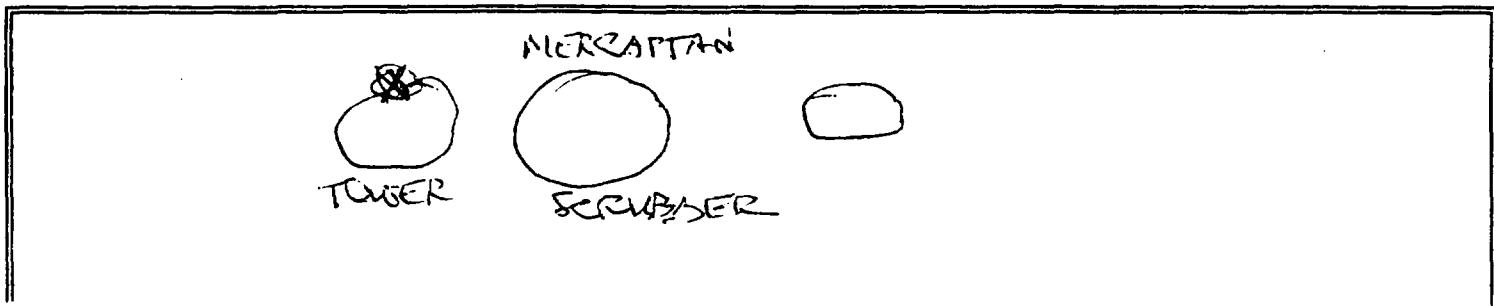
REAC Task Leader: METZ

Drum/Tank #: TOWER

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 005	POSSIBLE ACM INSULATION
26324	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: TOWER INSULATION

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals), sludge

6. Color: grey, Odor: NA, Vapors: \_\_\_\_\_

Other: \_\_\_\_\_



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Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/13/99

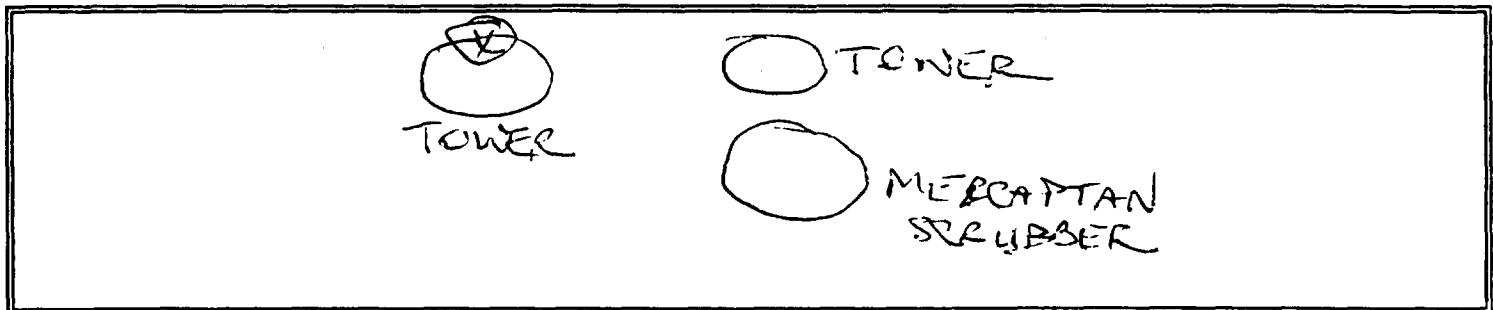
REAC Task Leader: METZ

Drum/Tank #: TOWER

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 006	POSSIBLE ACM INSULATION
26325	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: TOWER
  2. Container dimensions: Shape: \_\_\_\_\_  
Approximate size: \_\_\_\_\_
  3. Label present:  No,  Yes: \_\_\_\_\_
  4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_
  5. Description: liquid, solid ( powder or crystals), sludge
  6. Color: CYAN, Odor: NA, Vapors: —
- Other: \_\_\_\_\_



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Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: D-072 \_\_\_\_\_

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/13/99

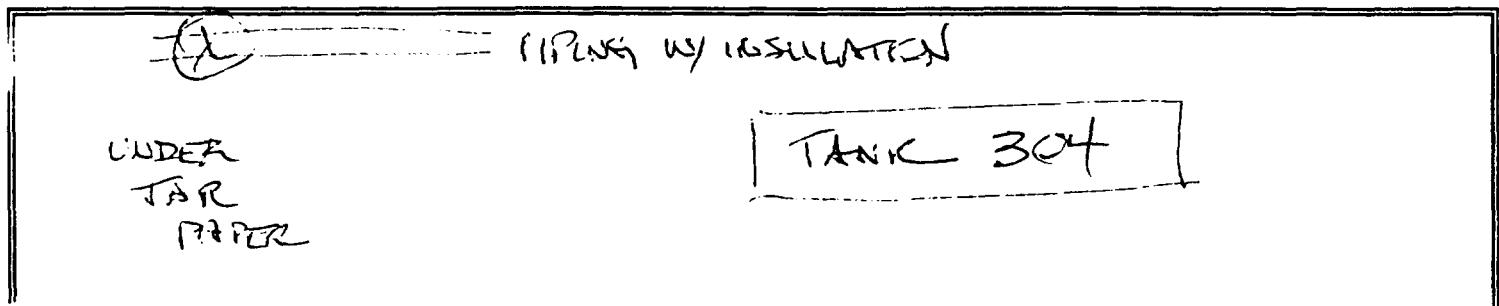
REAC Task Leader: MET-2

Drum/Tank #: \_\_\_\_\_

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 007	POSSIBLE ARM INSULATION
26326	_____
_____	_____
_____	_____

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PPIPE

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals), sludge

6. Color: TAN / GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: OWNER

Date: 7/13/99

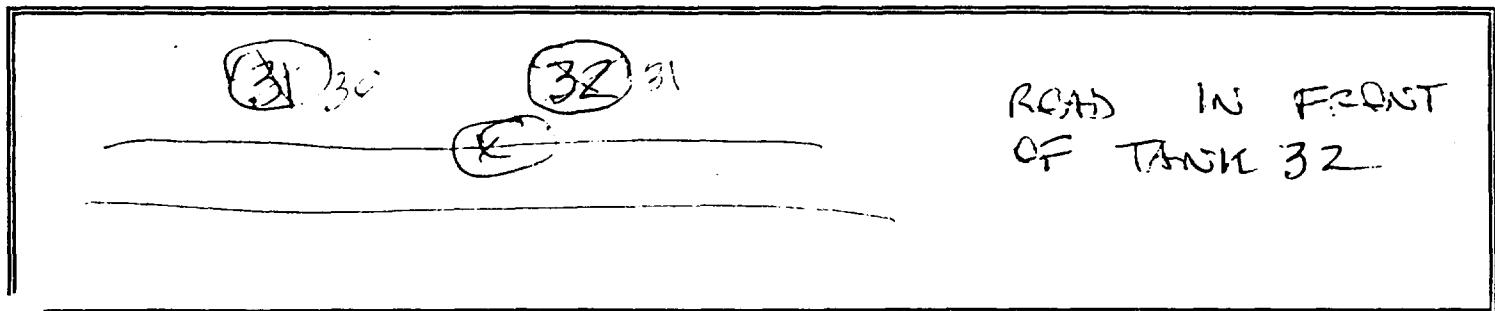
REAC Task Leader: METZ

Drum/Tank #: ROAD

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM Q08	POSSIBLE ACM
26327	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: ROAD

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals), sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: ZOLNER

Date: 7/13/99

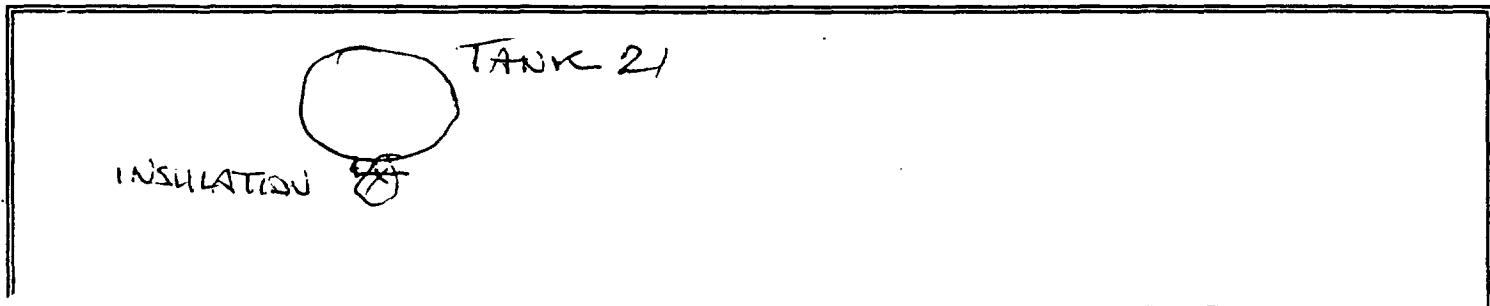
REAC Task Leader: METZ

Drum/Tank #: INSULATION

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 009	POSSIBLE ACM INSULATION
26328	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: INSULATION
  2. Container dimensions: Shape: \_\_\_\_\_  
Approximate size: \_\_\_\_\_
  3. Label present:  No,  Yes: \_\_\_\_\_
  4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_
  5. Description:  liquid,  solid ( powder or  crystals),  sludge
  6. Color: GREY, Odor: NA, Vapors: NA
- Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: Z OWNER

Date: 7/13/99

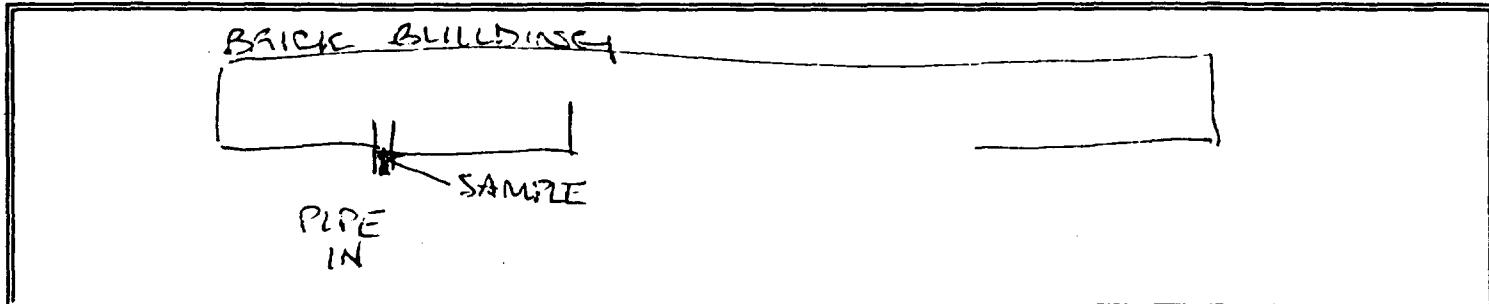
REAC Task Leader: METZ

Drum/Tank #:

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 010	POSSIBLE ACM INSULATION
26329	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals), sludge

6. Color: GREY, Odor: N/A, Vapors: N/A

Other: \_\_\_\_\_



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Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREE

U.S. EPA/ERTC WAM: OWNER

Date: 7/13/99

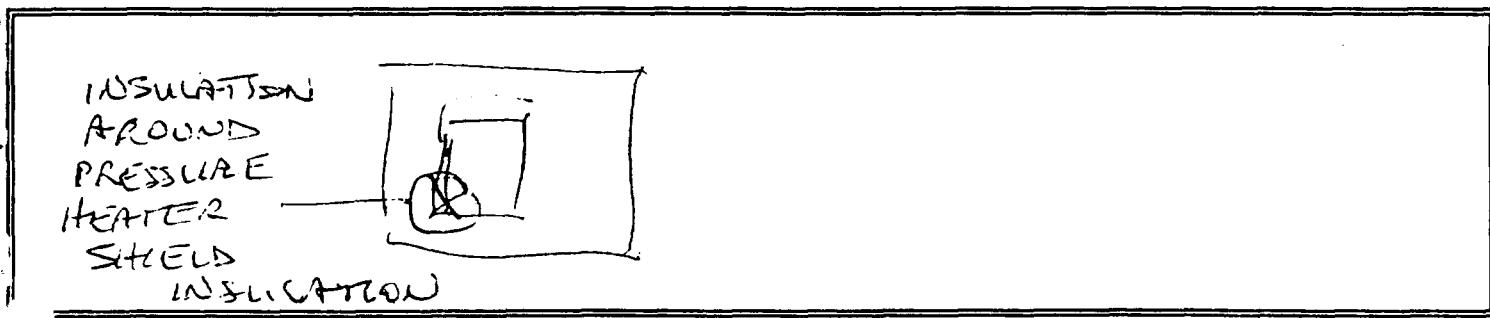
REAC Task Leader: METZ

Drum/Tank #: INSULATION

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM oil	POSSIBLE ACM INSULATION
26330	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: INSULATION

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: GREY, Odor: NAT, Vapors: NA

7. Other: \_\_\_\_\_



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Site: \_\_\_\_\_

WA#: D-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: ZOWNER

Date: 7/13/99

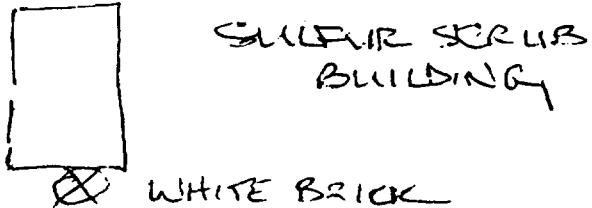
REAC Task Leader: METZ

Drum/Tank #: INSULATION "BRICK"

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 012	POSSIBLE ACM
26331	

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum, Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: \_\_\_\_\_

Approximate size: \_\_\_\_\_

3. Label present: No, Yes: \_\_\_\_\_

4. Spill or Leak present: No, Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (powder or crystals), sludge

6. Color: \_\_\_\_\_, Odor: \_\_\_\_\_, Vapors: \_\_\_\_\_

Other: \_\_\_\_\_



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Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/15/99

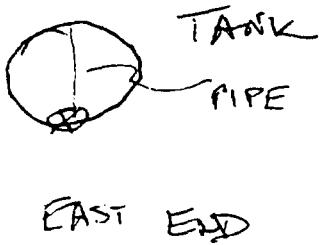
REAC Task Leader: METZ

Drum/Tank #: HORIZONTAL TANK

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM013	Possible ACM INSULATION
26332	

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum,  Tank, Other: \_\_\_\_\_

2. Container dimensions: Shape: HORIZONTAL

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals),  sludge

Color: GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223



Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

REAC Task Leader: METZ

Drum/Tank #: PIPE INSULATION

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM014	POSSIBLE ACM INSULATION
26333	

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum, Tank, Other: PIPE

2. Container dimensions: Shape: D

Approximate size: 8" TIP 1" INSULATION

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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**REAC**

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

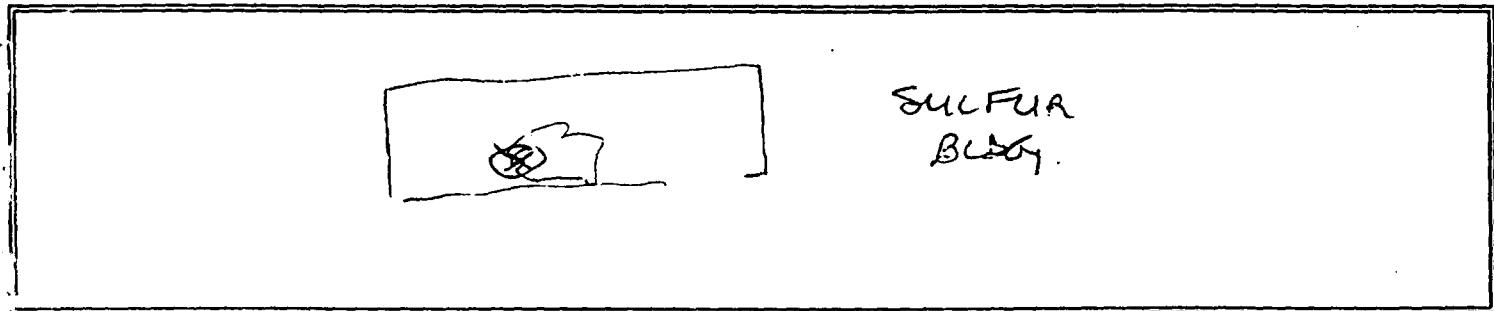
REAC Task Leader: METS

Drum/Tank #: SCRAP PILE

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 015	SUSPECT ACM
26334	

Sampling Diagram



**SAMPLE INFORMATION:**

1. Container type: Drum, Tank, Other: SCRAP PILE

2. Container dimensions: Shape: 3.5' HT CONE

Approximate size: 5' DIA

3. Label present: ✓ No,        Yes: \_\_\_\_\_

4. Spill or Leak present: ✓ No,        Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (✓ powder or        crystals), sludge

Color: Grey, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: D-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

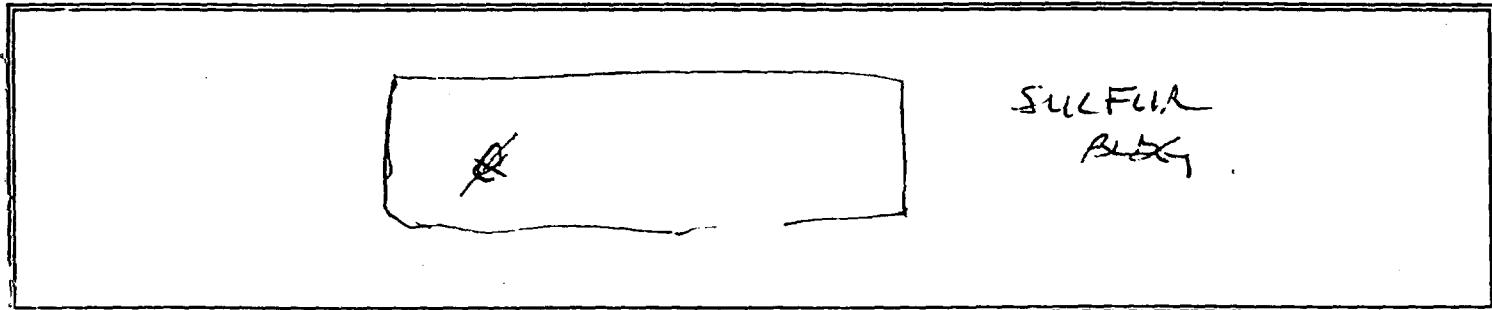
REAC Task Leader: METZ

Drum/Tank #: PLPING INSULATION

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM Oil 6	POSSIBLE ACM INSULATION
26335	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PLPING INSULATION

2. Container dimensions: Shape: O

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals), sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
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Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

REAC Task Leader: METZ

Drum/Tank #: SEPARATE PIPE BETWEEN TANKS Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 017	POSSIBLE ACM INSULATION
26336	_____
_____	_____
_____	_____

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: O C PIPE DIA

Approximate size: \_\_\_\_\_

3. Label present:  No: \_\_\_\_\_ Yes: \_\_\_\_\_

4. Spill or Leak present:  No, \_\_\_\_\_ Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or crystals), sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: IBBONSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/91

REAC Task Leader: METZ

Drum/Tank #: SCRAP MATERIAL

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
<u>ACM 018</u>	<u>possible ACM</u>
26337	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: SCRAP MATERIAL

2. Container dimensions: Shape: C 11" ID 5" OD

Approximate size: 4' long

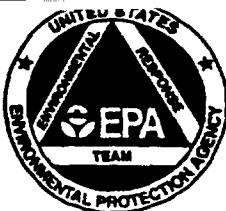
3. Label present: ✓ No,        Yes: \_\_\_\_\_

4. Spill or Leak present: ✓ No,        Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (✓ powder or        crystals), sludge

Color: gray/brown, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

REAC Task Leader: MFF

Drum/Tank #: SCRAP PILE

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 019	Possible ACM
26338	

Sampling Diagram



SIMPLE INFORMATION:

1. Container type:  Drum,  Tank, Other: SCRAP PILE

2. Container dimensions: Shape: CONE

Approximate size: 5' HT 10' BASE

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description:  liquid,  solid ( powder or  crystals),  sludge

6. Color: Grey, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: Q-072

Sampler: IBRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

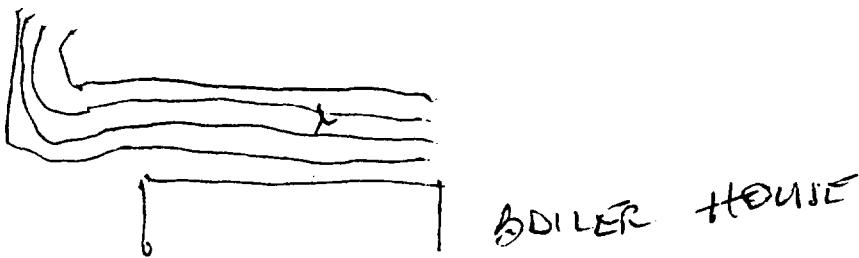
REAC Task Leader: METZ

Drum/Tank #: PIPE INSULATION

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 020	POSSIBLE ACM INSULATION
26339	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: O 6" ED 1" INSUL

Approximate size: \_\_\_\_\_

3. Label present: ✓ No,        Yes: \_\_\_\_\_

4. Spill or Leak present: ✓ No,        Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid (✓ powder or        crystals), sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: \_\_\_\_\_



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Lockheed Martin Corp., Edison, NJ  
EPA Contract No. 69-C99-223

Site: \_\_\_\_\_

WA#: 0-D72

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: \_\_\_\_\_

Date: 7/16/99

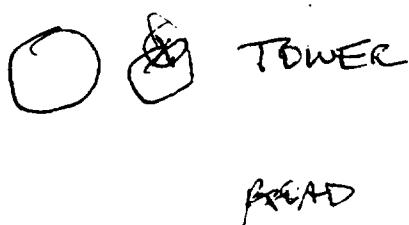
REAC Task Leader: METZ

Drum/Tank #: PROCESS AREA

Approximate Volume: \_\_\_\_\_

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 021	POSSIBLE ACM INSULATION
26340	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: TOWER

2. Container dimensions: Shape: circle

Approximate size: \_\_\_\_\_

3. Label present:  No,  Yes: \_\_\_\_\_

4. Spill or Leak present:  No,  Yes, Dimensions: \_\_\_\_\_

5. Description: liquid, solid ( powder or  crystals), sludge

Color: grey, Odor: ust, Vapors: ub

Other: \_\_\_\_\_